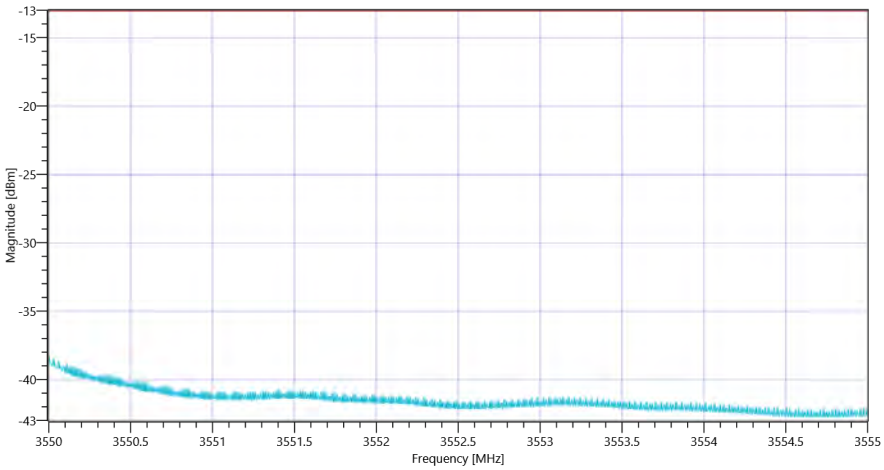
| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -37.49 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.54 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.04 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -39.14 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -39.66 | dBm | PASS |

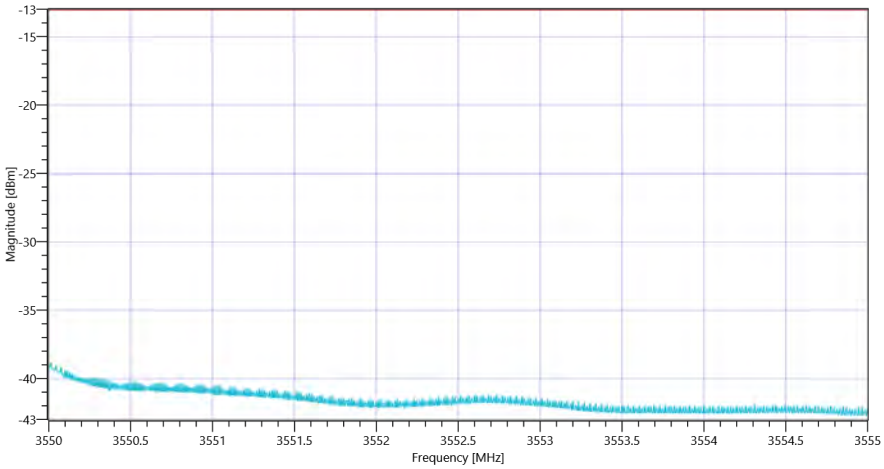



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.84 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.68 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.64 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -38.99 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -39.48 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -39.62 | dBm | PASS |

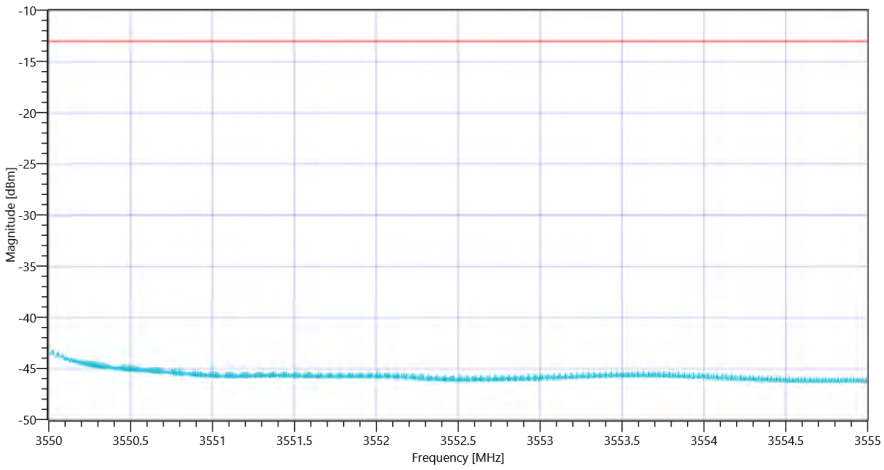



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.68 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -42.13 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -42.98 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.22 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -43 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -43.35 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 26.06.2022 09:21:22 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.8 \| 53 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

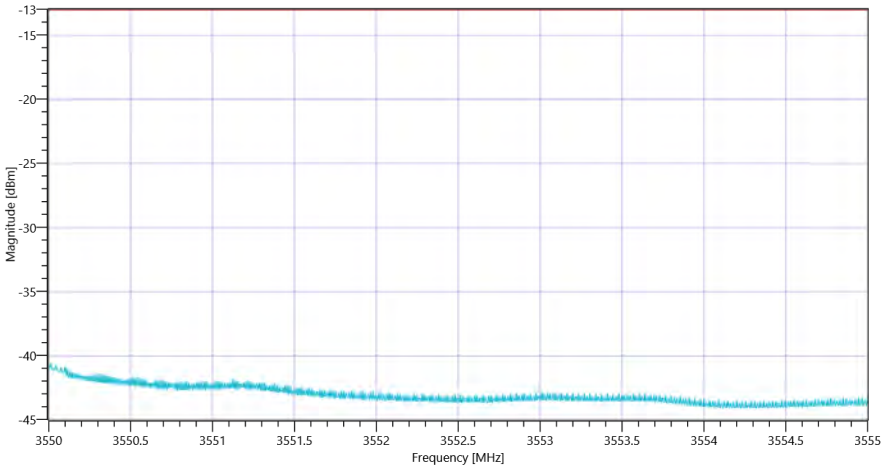
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 50

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.61 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -39.24 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.01 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.63 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.67 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.06 | dBm | PASS |



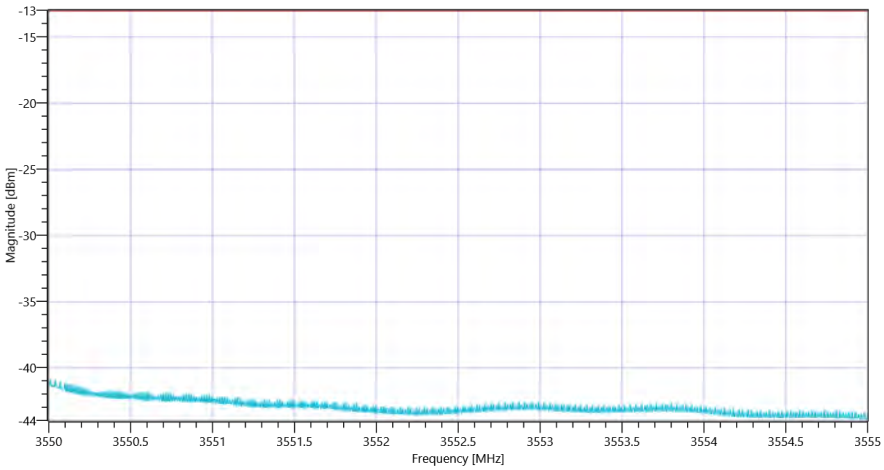

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.46 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -39.32 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.1 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.45 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.39 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.82 | dBm | PASS |

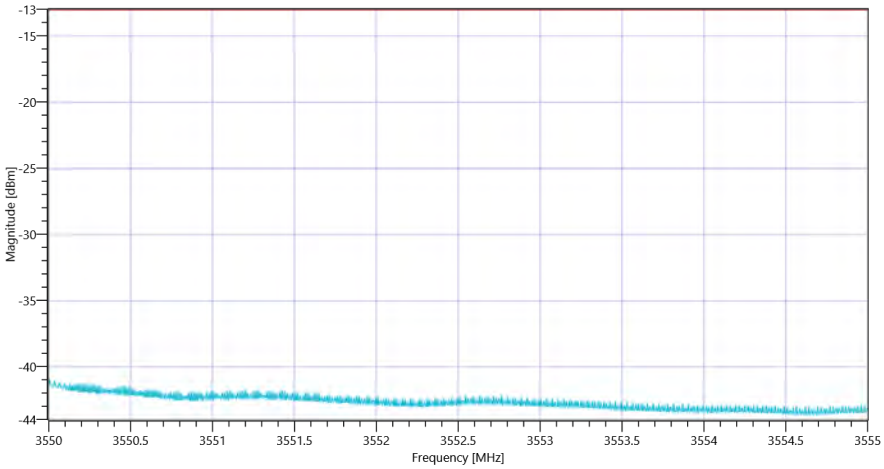



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.76 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -39.18 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.62 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.97 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.3 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.59 | dBm | PASS |

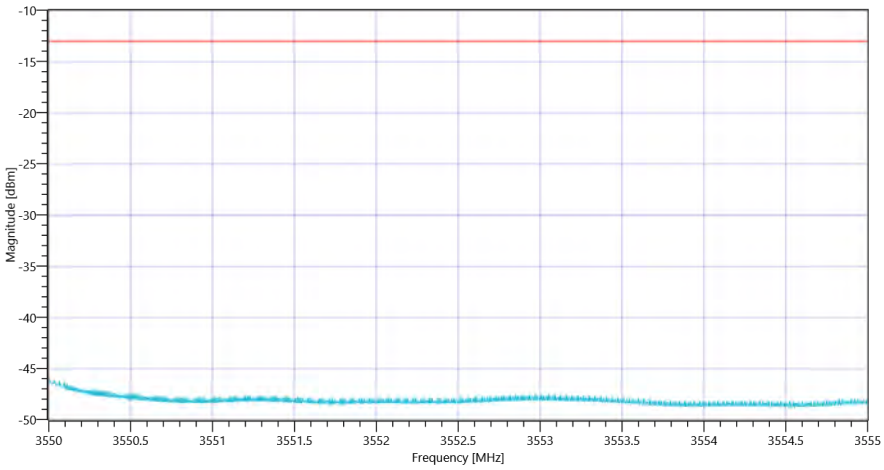



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 8.34 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -44.85 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -45.39 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -45.36 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -45.45 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -45.72 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 26.06.2022 00:42:56 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.8 \| 51 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

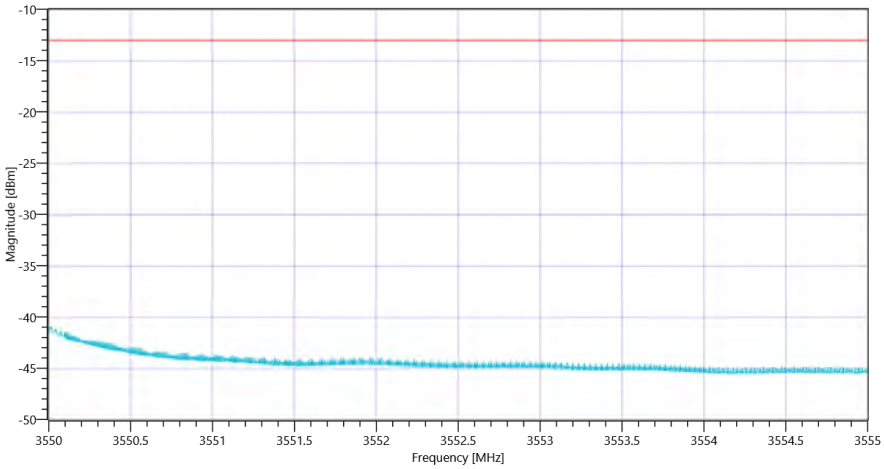
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 60

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.62 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -40.29 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -41.65 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -41.94 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -42.24 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -42.56 | dBm | PASS |



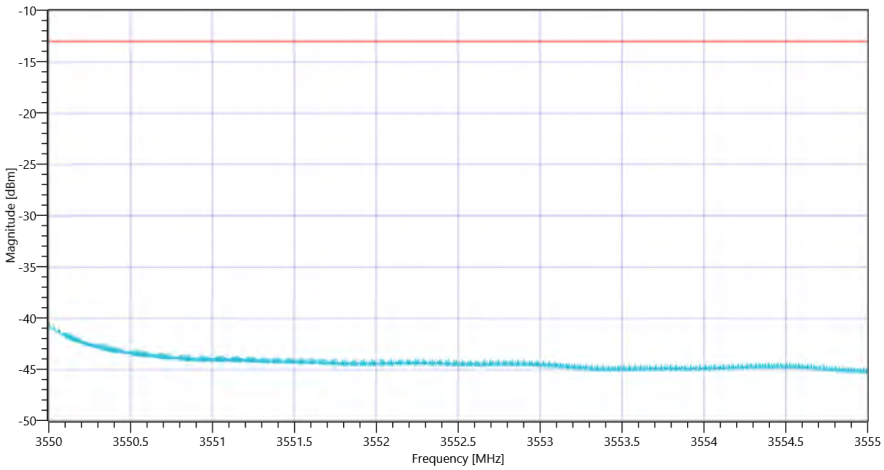

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.29 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -40.26 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -41.51 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -41.7 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -42.13 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -42.14 | dBm | PASS |

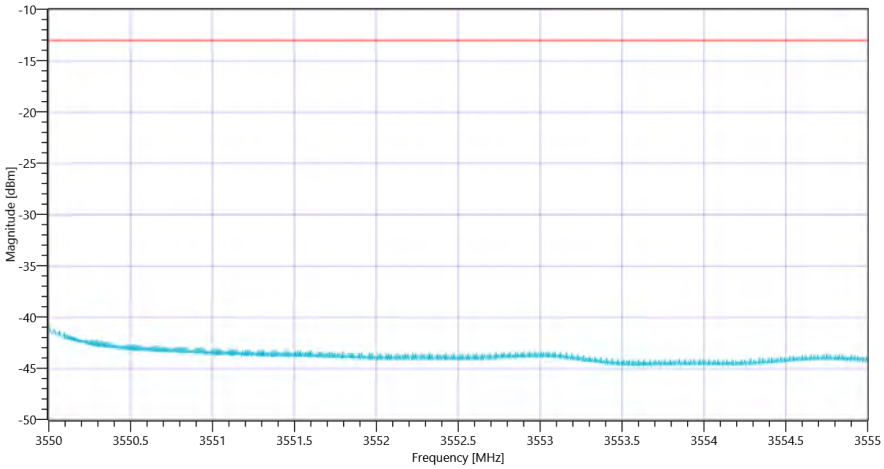



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.55 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -40.02 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.93 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -41.15 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -41.54 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.49 | dBm | PASS |

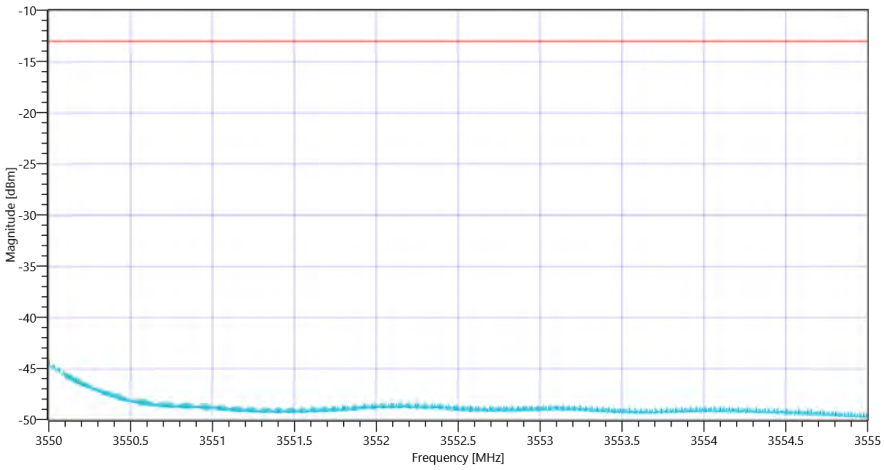



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.46 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -44.69 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -46.27 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -46.12 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -46.34 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -46.56 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 26.06.2022 00:17:01 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.8 \| 51 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

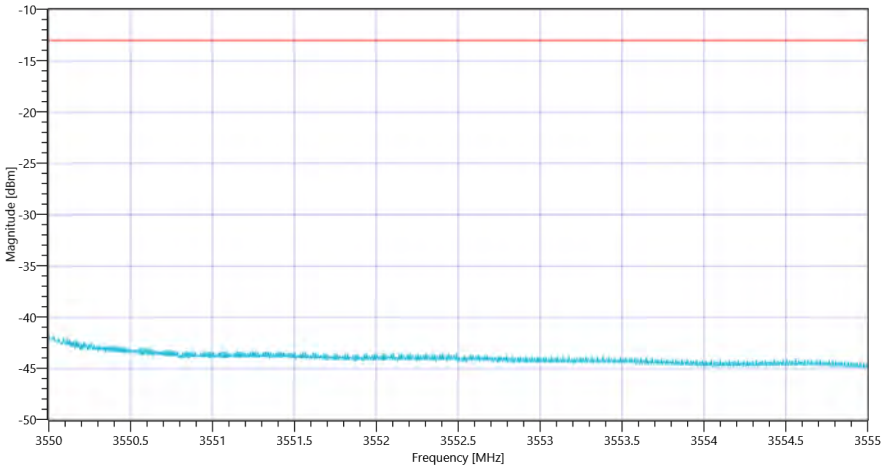
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 70

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.07 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -40.43 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -41.08 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -41.3 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -41.59 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.83 | dBm | PASS |



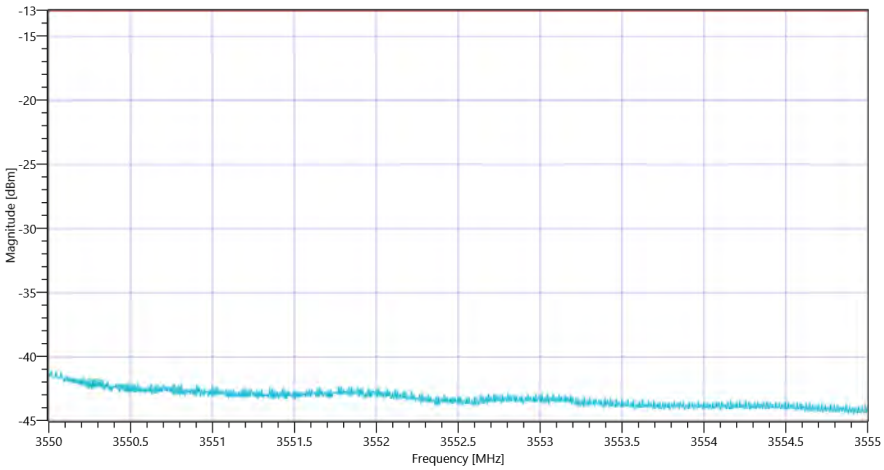

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.43 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -39.59 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.14 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.55 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.92 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.22 | dBm | PASS |

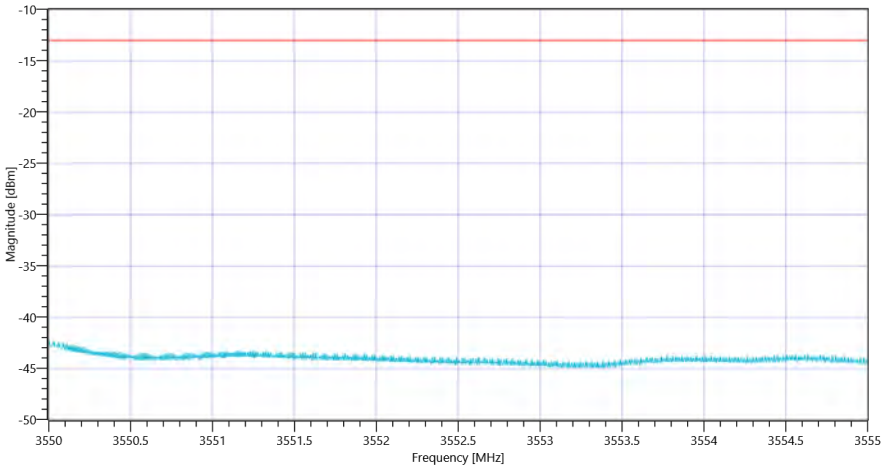



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.06 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -40.86 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -41.09 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -41.59 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -41.7 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.42 | dBm | PASS |

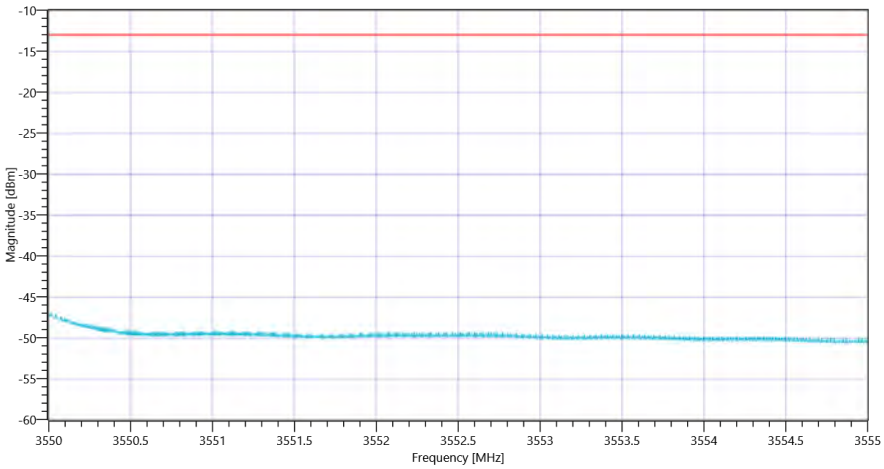



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.83 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -46.24 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -46.94 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -46.96 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -47.23 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -47.52 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 23:51:13 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.9 \| 50 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

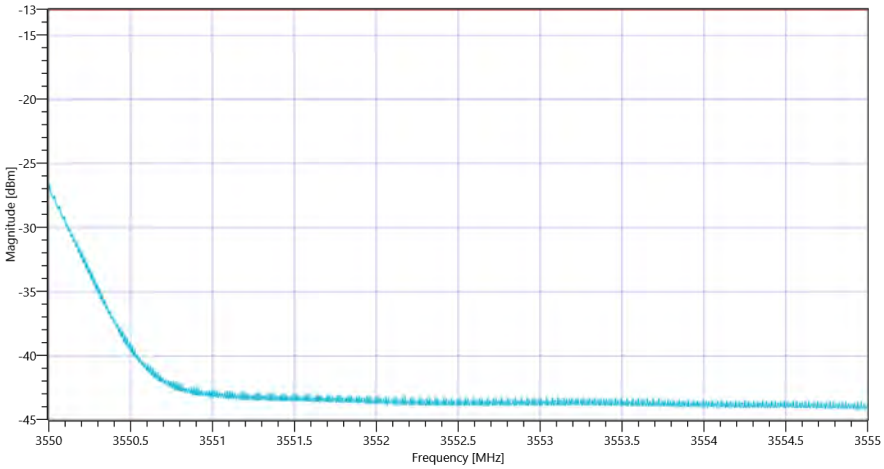
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 80

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 8.65 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -34.78 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43.6 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.92 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -43.98 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -44.17 | dBm | PASS |



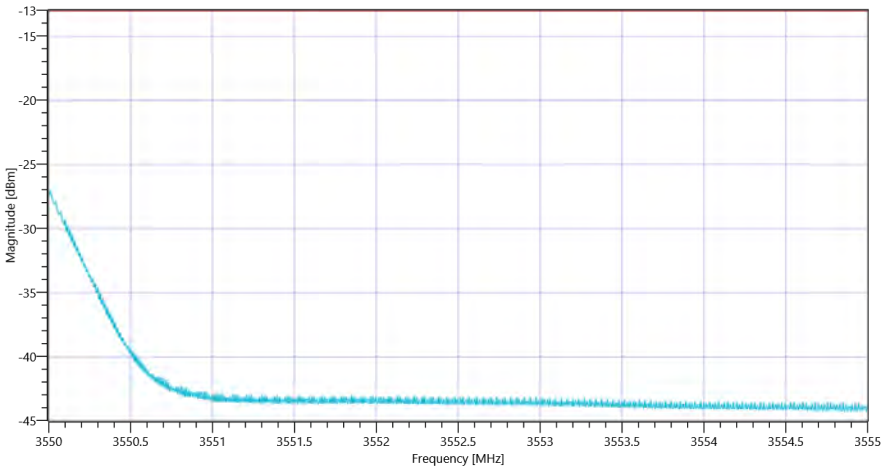

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.94 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -34.96 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43.68 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.79 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -44.02 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -44.22 | dBm | PASS |

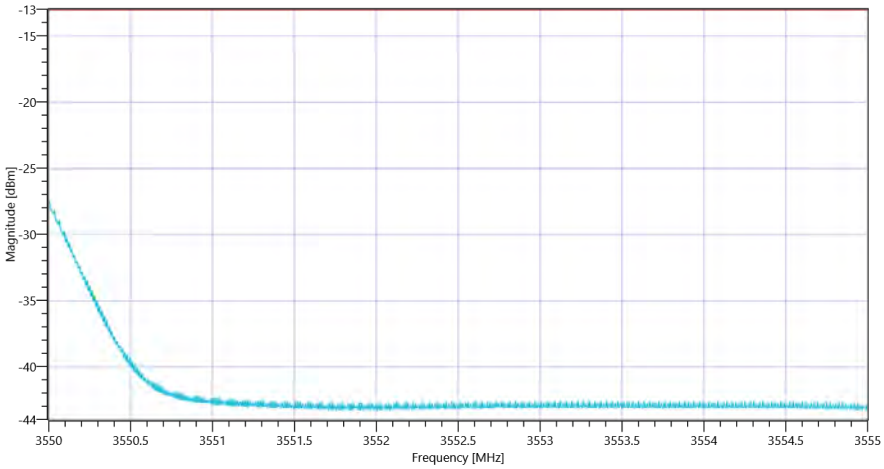



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.19 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -35.39 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43.2 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.26 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -43.21 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -43.26 | dBm | PASS |

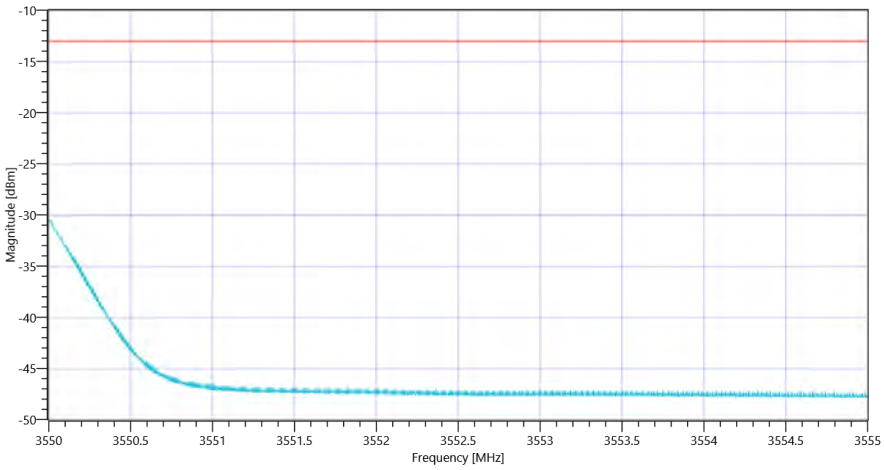



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.64 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -38.29 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -47.43 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -47.67 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -47.76 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -47.88 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 23:25:30 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.9 \| 50 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

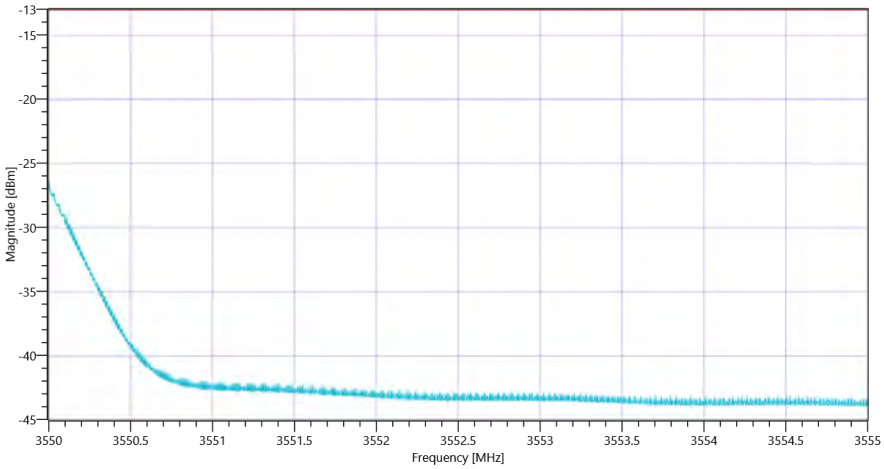
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 90

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.49 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -34.65 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.53 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -43.78 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -43.94 | dBm | PASS |



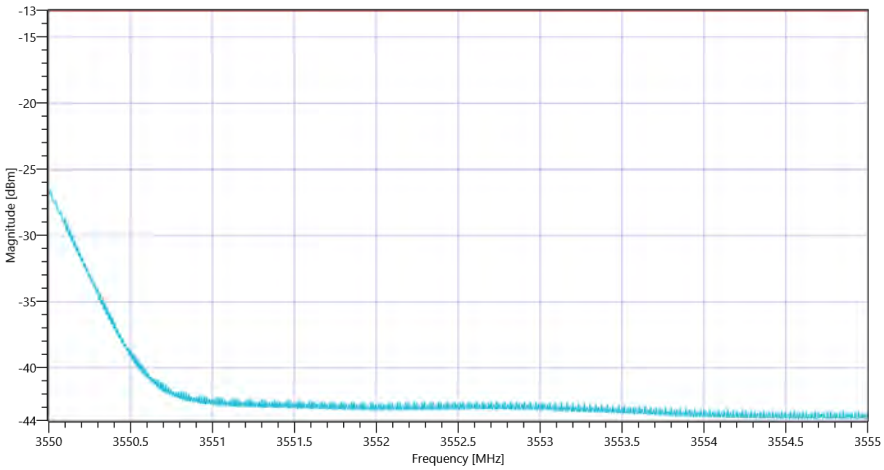

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.55 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -34.38 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43.1 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -43.23 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -43.51 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -43.9 | dBm | PASS |

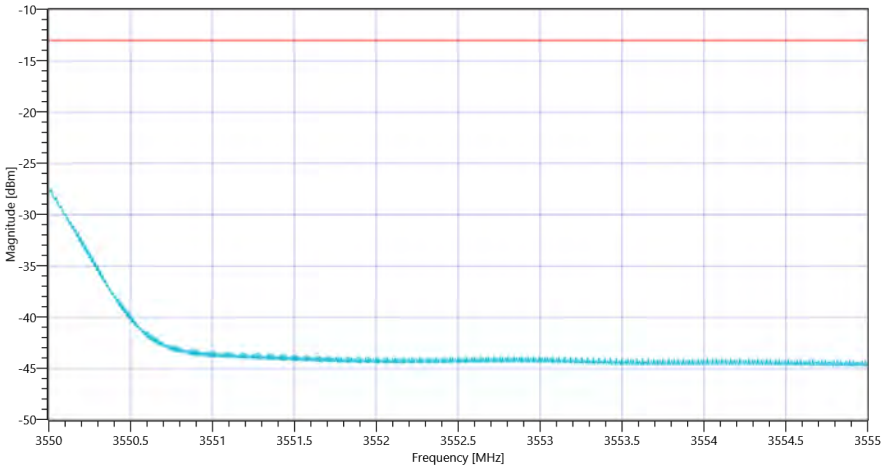



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.01 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -35.31 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -44.28 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -44.52 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -44.65 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -44.75 | dBm | PASS |

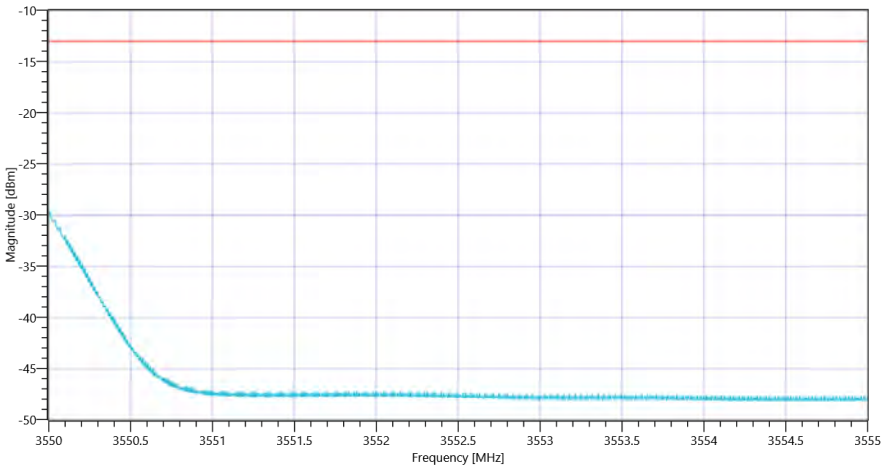



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.88 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.79 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -47.83 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -47.95 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -48.1 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -48.23 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 22:57:11 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 49 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

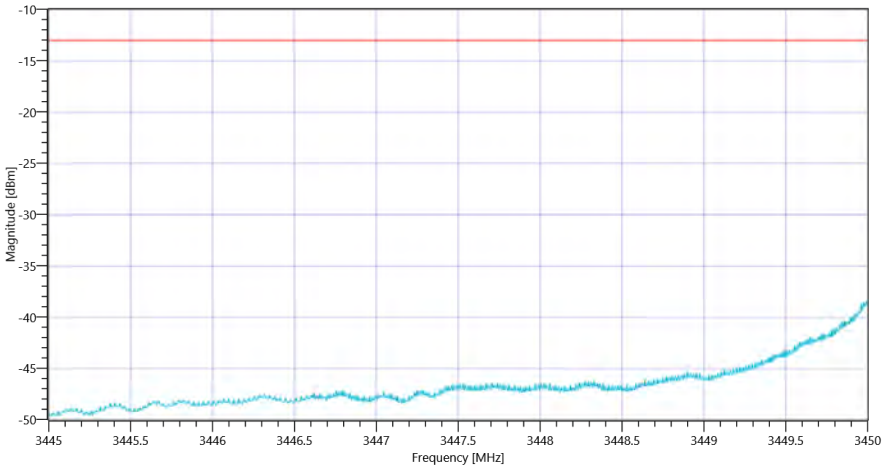
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 10

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 18.82 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -33 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.82 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.5 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.24 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.08 | dBm | PASS |



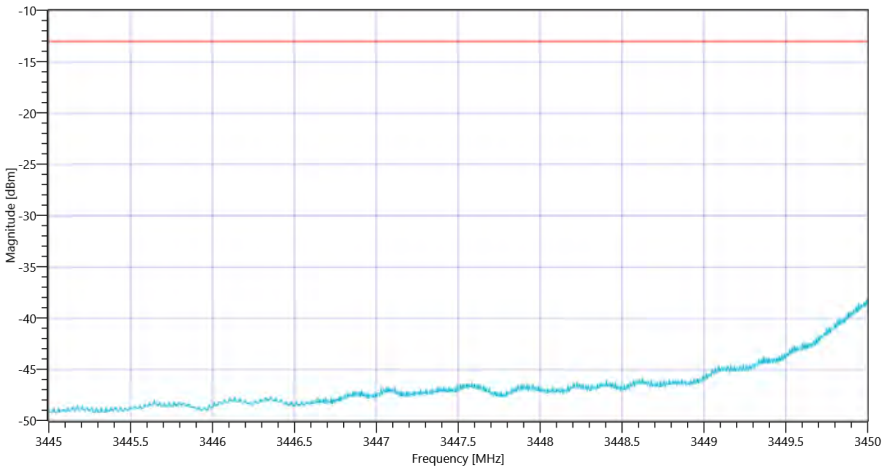

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 18.35 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -32.72 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.86 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.34 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.29 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.02 | dBm | PASS |

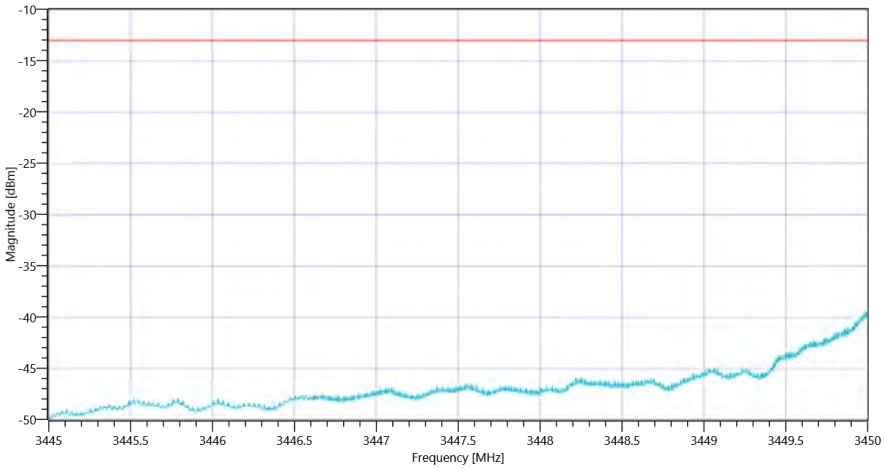



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 18.29 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -33.62 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.84 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.54 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.46 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.14 | dBm | PASS |

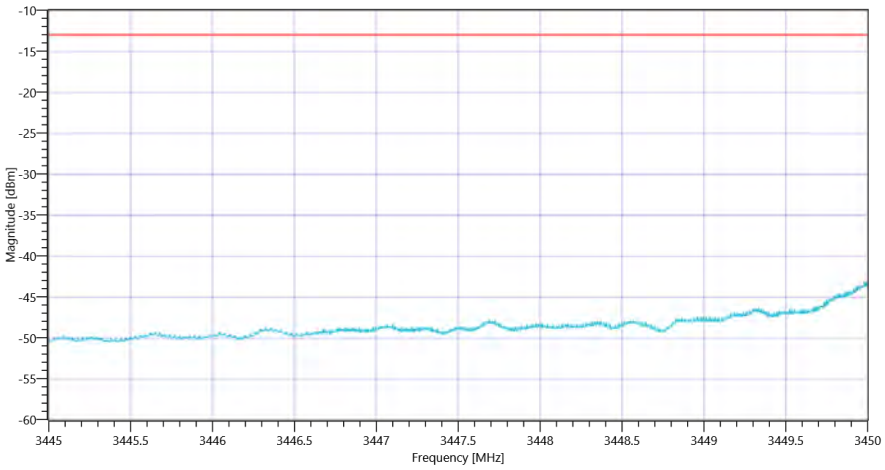



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.75 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -36.51 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.68 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.09 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39.65 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.27 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 22:30:20 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

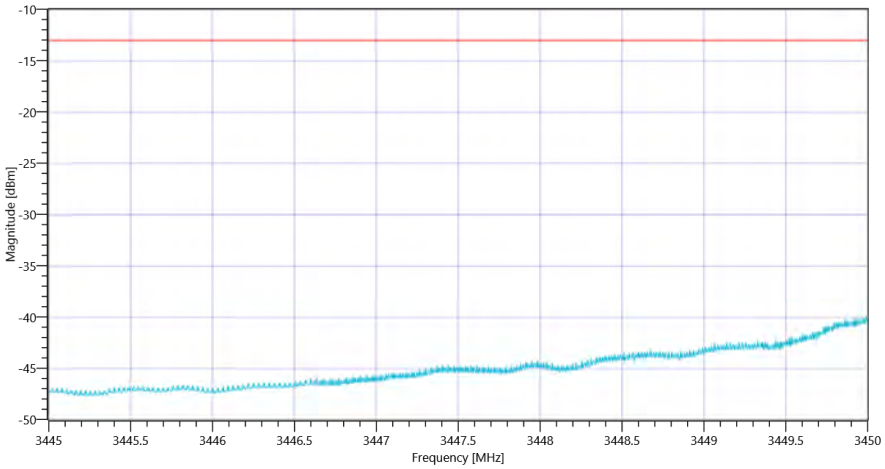
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 20

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.62 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -35.31 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.41 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -38.59 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39.87 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.47 | dBm | PASS |



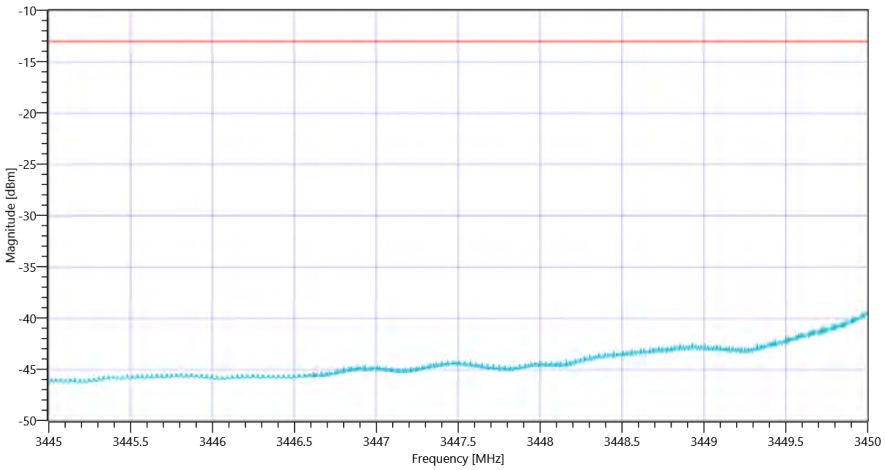

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.94 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -35.1 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.87 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -38.07 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.81 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.14 | dBm | PASS |

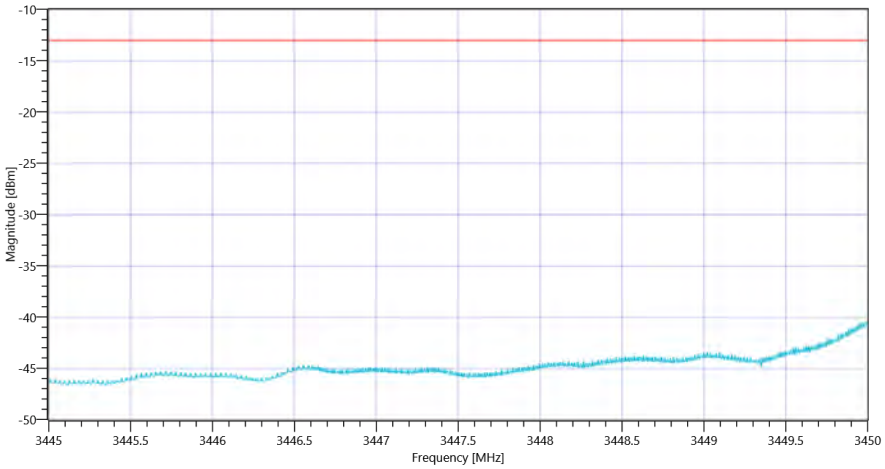



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.46 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -36.33 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.62 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -38.64 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.77 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.3 | dBm | PASS |

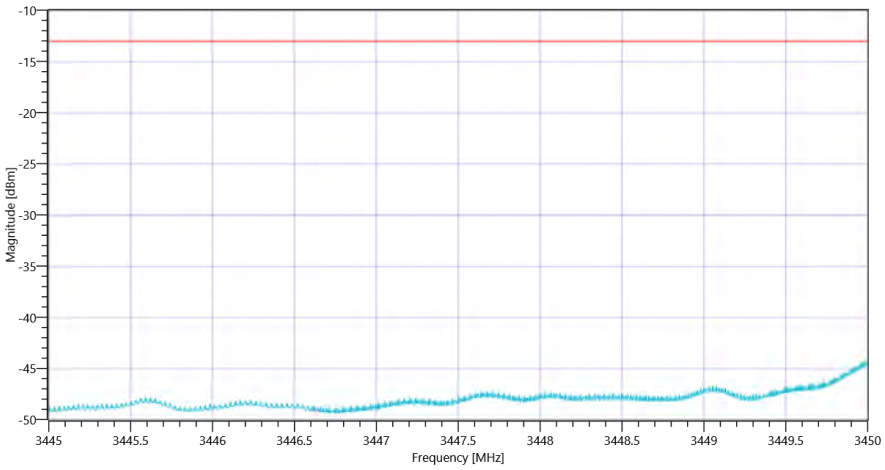



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.40 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -40.03 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.11 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.38 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.07 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 22:04:17 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

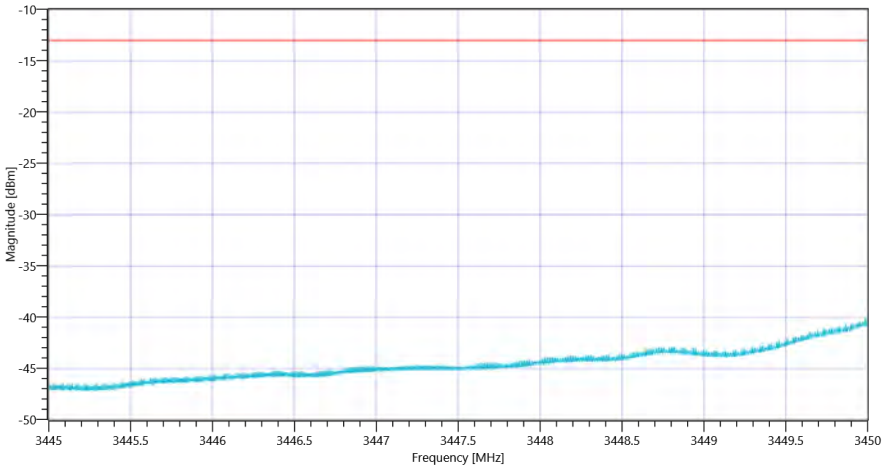
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.16 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -37.38 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.85 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.9 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.6 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.56 | dBm | PASS |



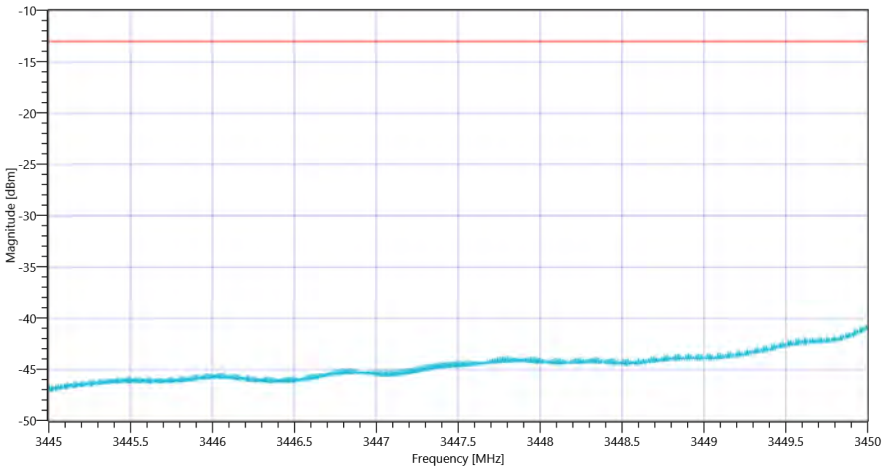

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.19 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -37.66 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.21 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.67 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.76 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.25 | dBm | PASS |

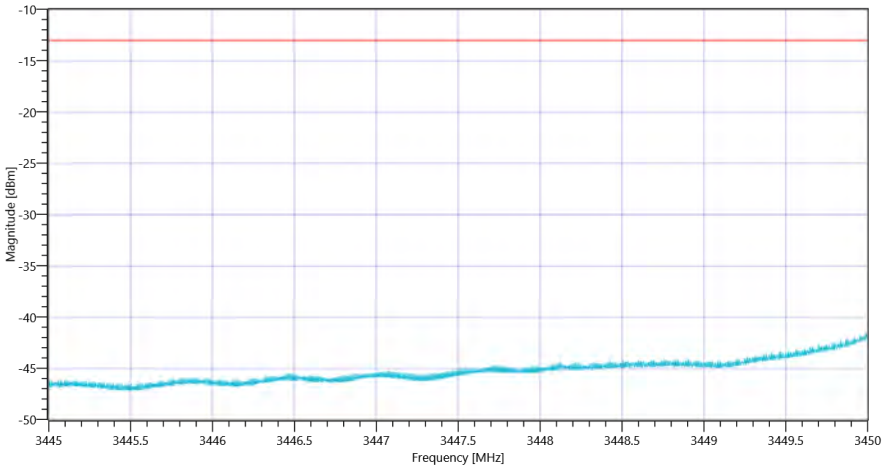



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.51 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -38.62 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.77 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.54 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.16 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.62 | dBm | PASS |

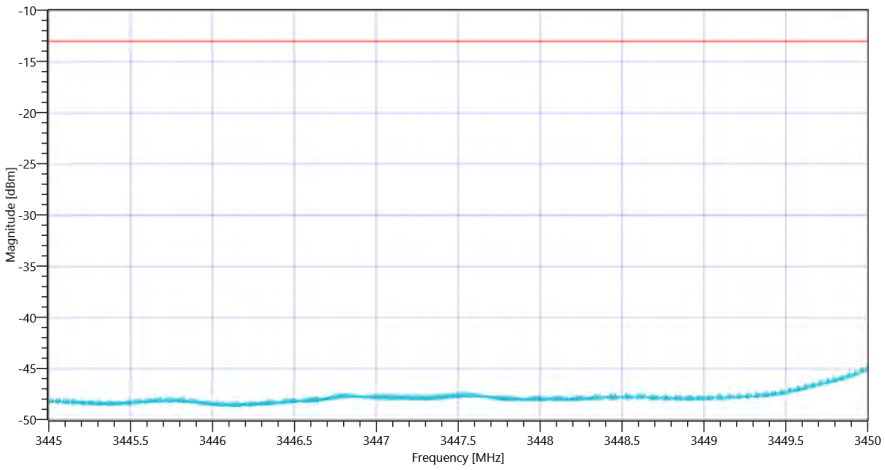



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.10 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -41.94 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -42.9 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.86 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -43.18 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -43.3 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 21:38:20 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.9 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

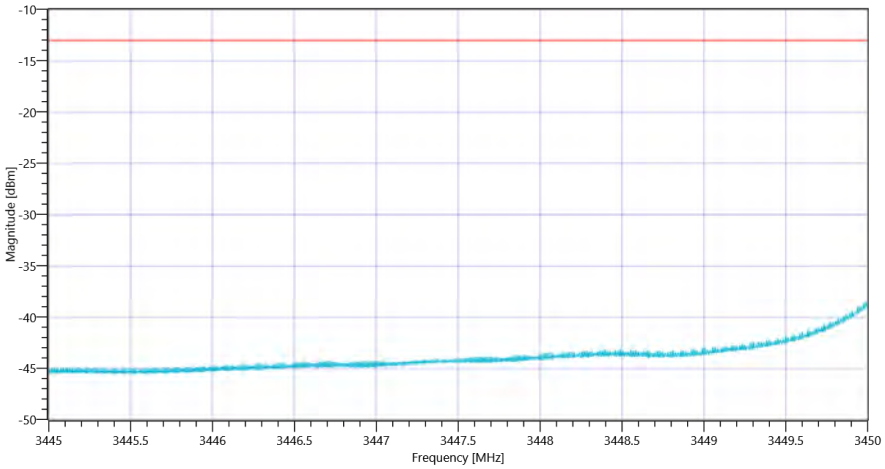
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.30 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -38.95 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.92 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.53 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.05 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.51 | dBm | PASS |



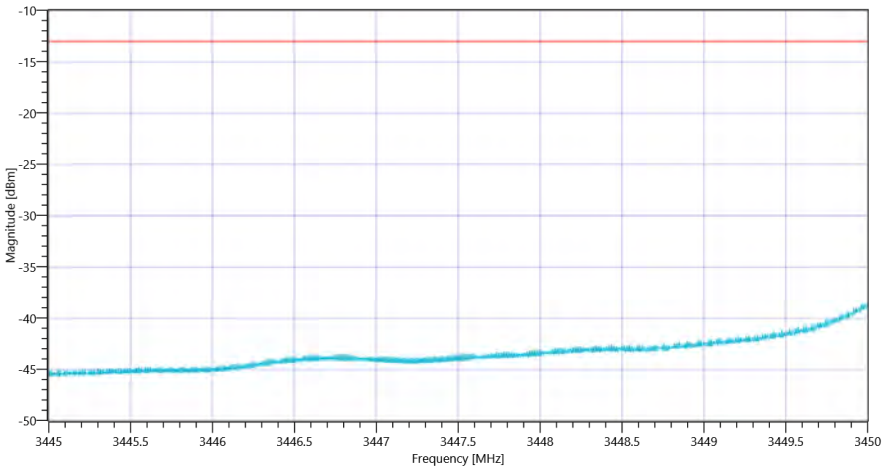

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.10 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -38.38 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.26 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.15 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.51 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.47 | dBm | PASS |

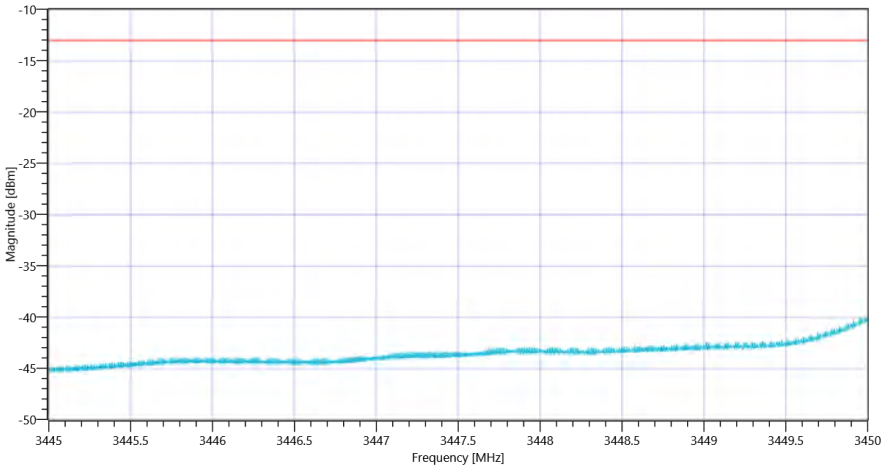



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.46 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -39.4 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.49 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.88 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.57 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.9 | dBm | PASS |

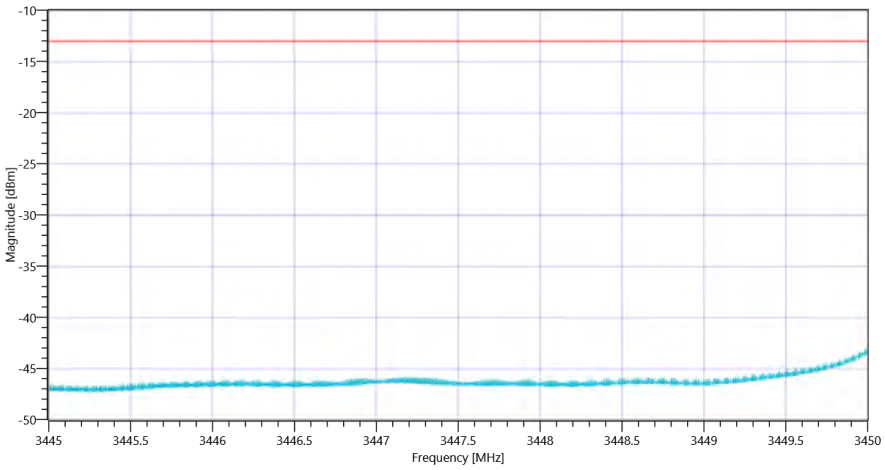



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.89 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -42.59 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -43.68 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -43.64 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -43.75 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.08 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 21:12:49 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

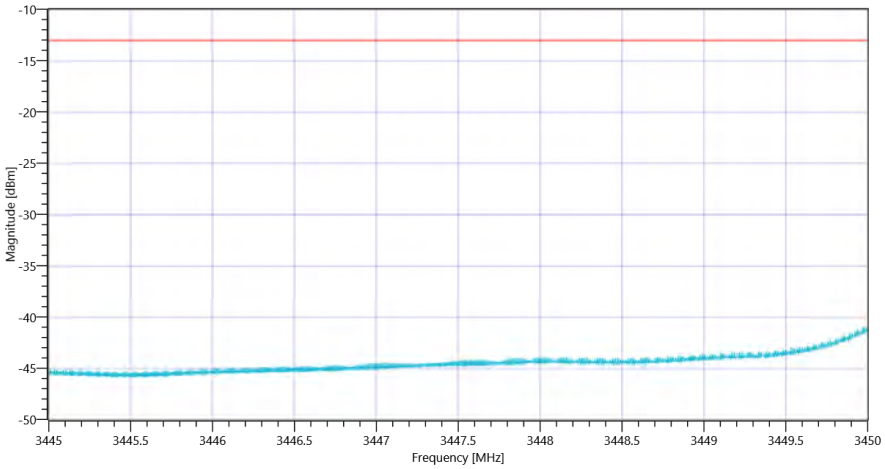
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 50

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.45 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -40.38 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.54 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.83 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.38 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.78 | dBm | PASS |



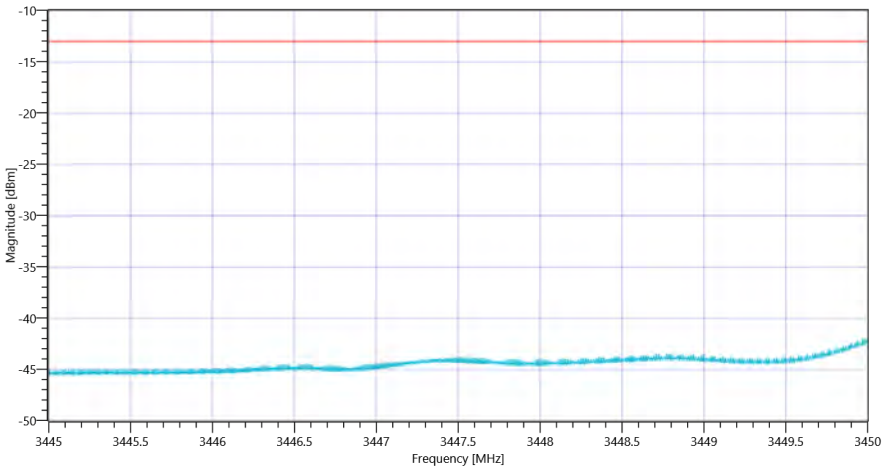

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.35 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -41.02 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.37 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.58 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.23 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.56 | dBm | PASS |

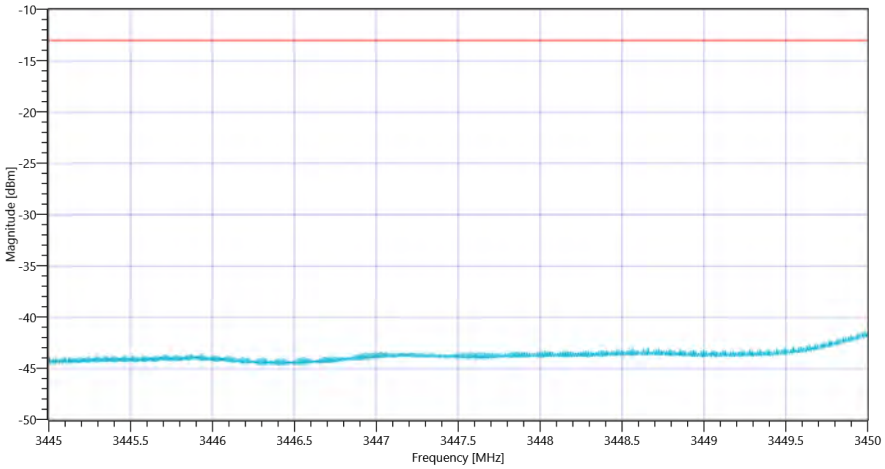



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.16 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -40.34 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.84 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.02 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.48 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.38 | dBm | PASS |

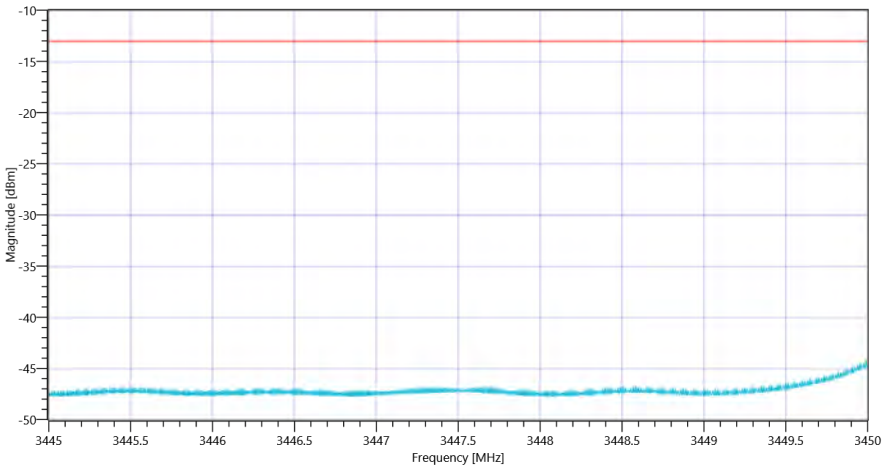



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 8.21 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -43.74 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -44.57 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -44.5 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -44.61 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.57 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 20:47:02 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

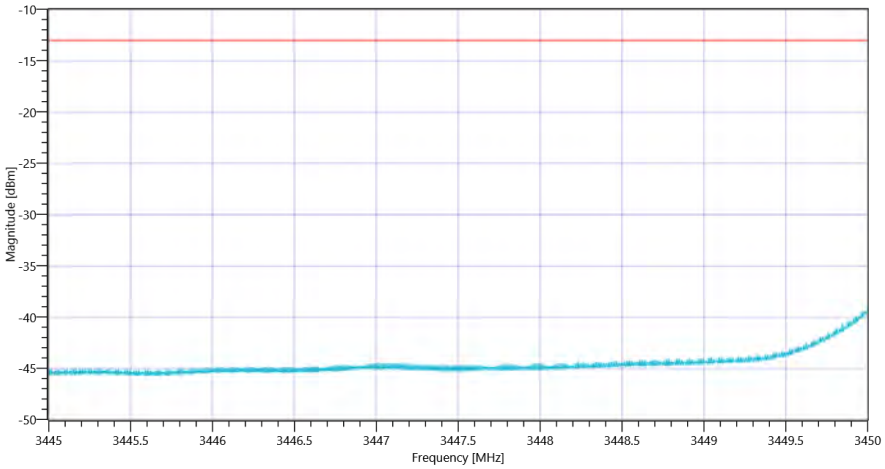
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 60

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.28 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -39.98 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.9 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.22 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.36 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.65 | dBm | PASS |



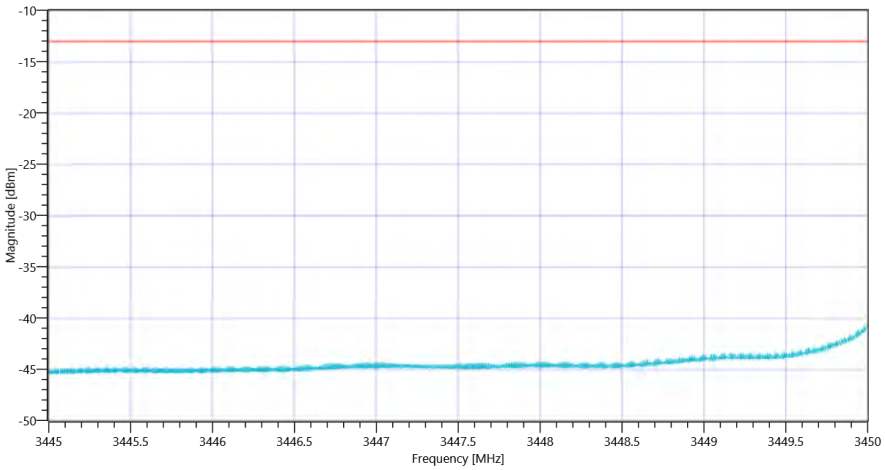

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.09 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -40.43 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.73 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.95 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.16 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.4 | dBm | PASS |

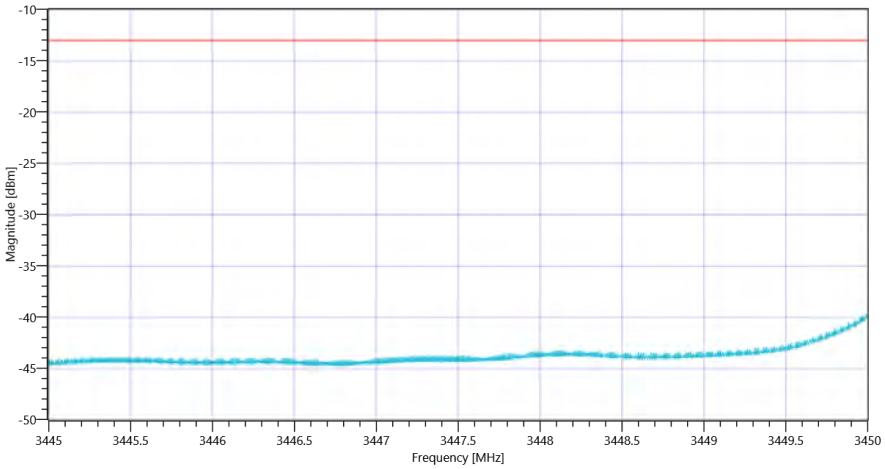



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.29 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -39.73 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.01 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.34 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.68 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.58 | dBm | PASS |

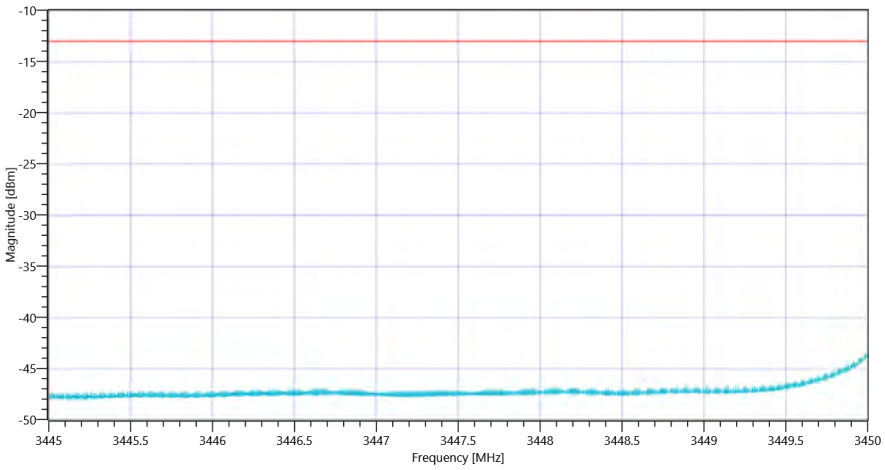



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.64 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -43.53 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -44.54 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -44.69 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -44.66 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.91 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 20:21:10 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

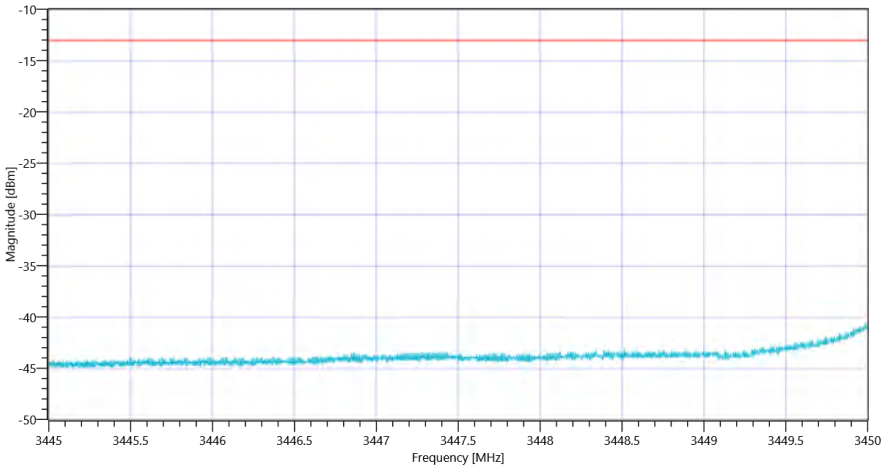
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 70

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.47 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -40.08 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.02 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.22 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.51 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.76 | dBm | PASS |



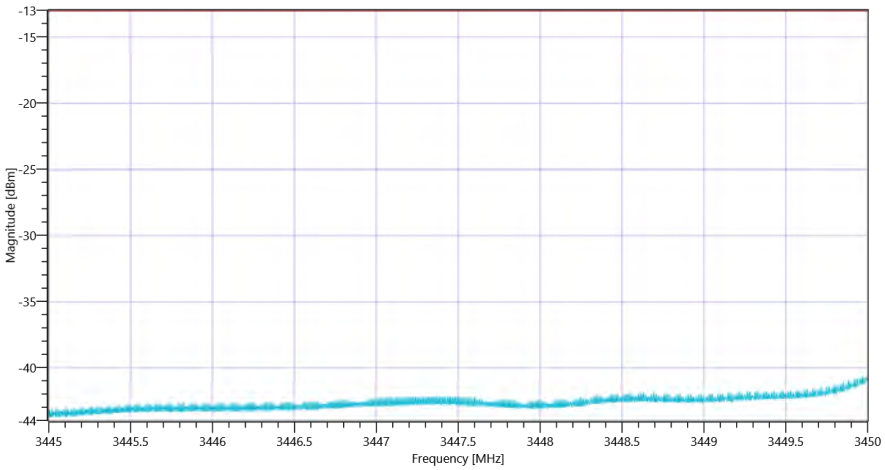

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.50 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -39.22 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.75 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.92 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.18 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.45 | dBm | PASS |

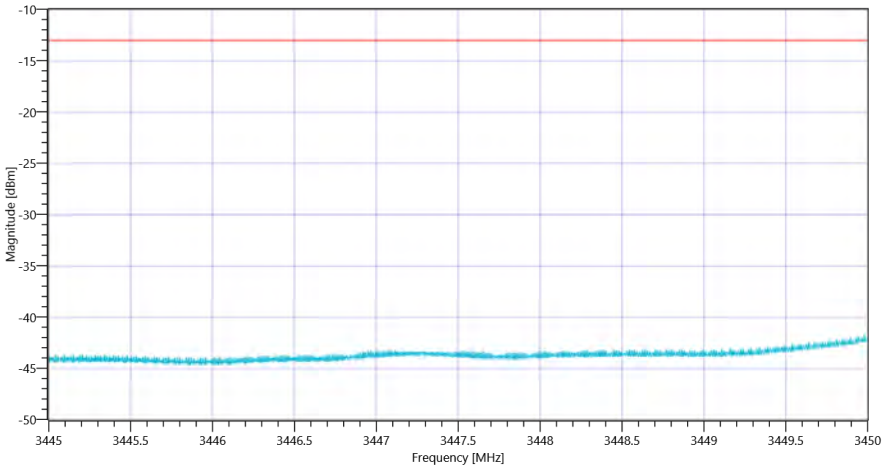



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.92 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -40.3 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.88 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.95 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.34 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.46 | dBm | PASS |

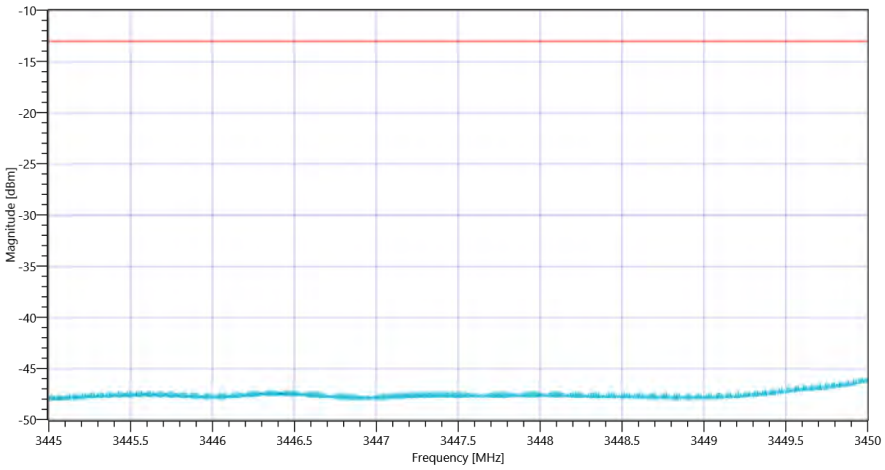



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.93 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -44.38 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -44.97 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -44.91 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -44.89 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.93 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 19:54:08 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.8 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

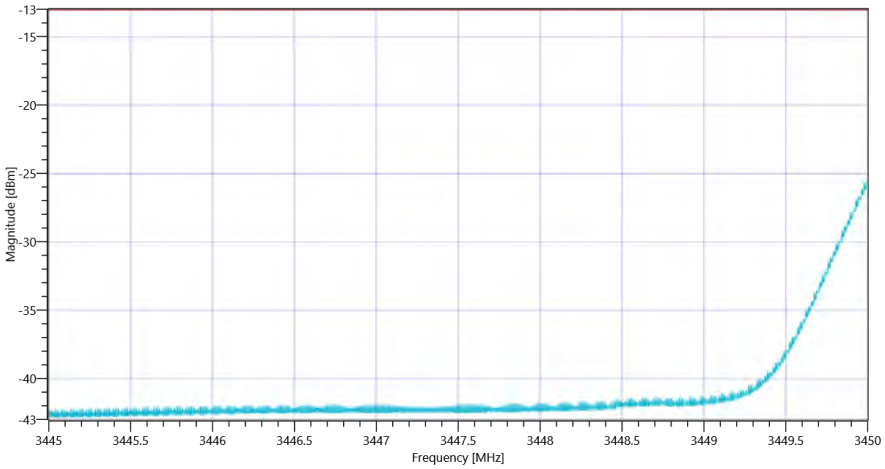
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 80

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 8.96 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -33.39 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -42.21 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.53 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.58 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.77 | dBm | PASS |



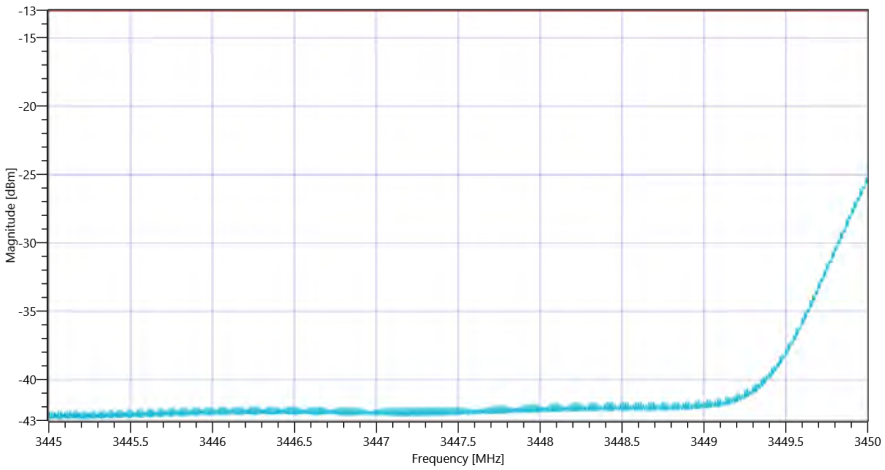

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.67 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -33.18 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -42.31 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.6 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.61 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.79 | dBm | PASS |

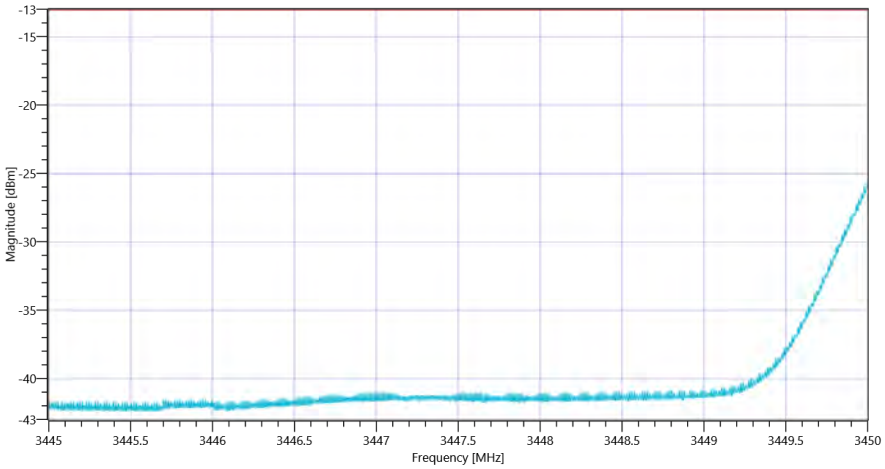



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.68 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -33.57 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.62 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.68 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.3 | dBm | PASS |

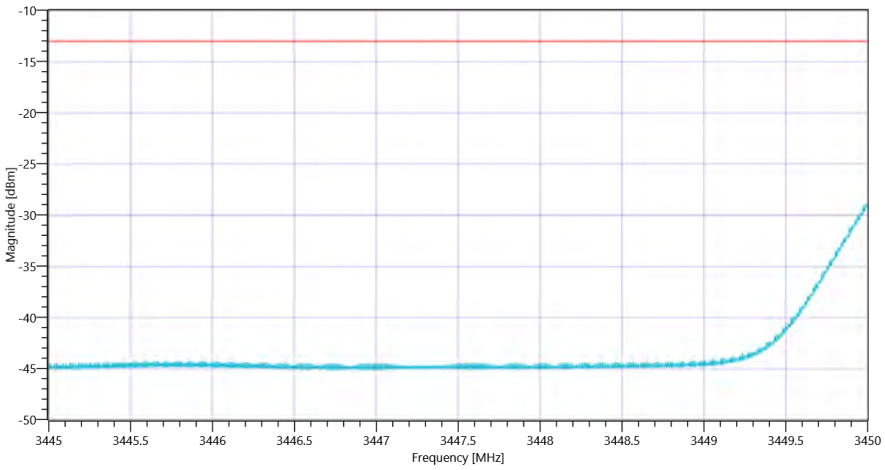



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.25 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -36.63 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -45 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -45.11 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -45.08 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.97 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 25.06.2022 18:16:12 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.7 \| 47 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

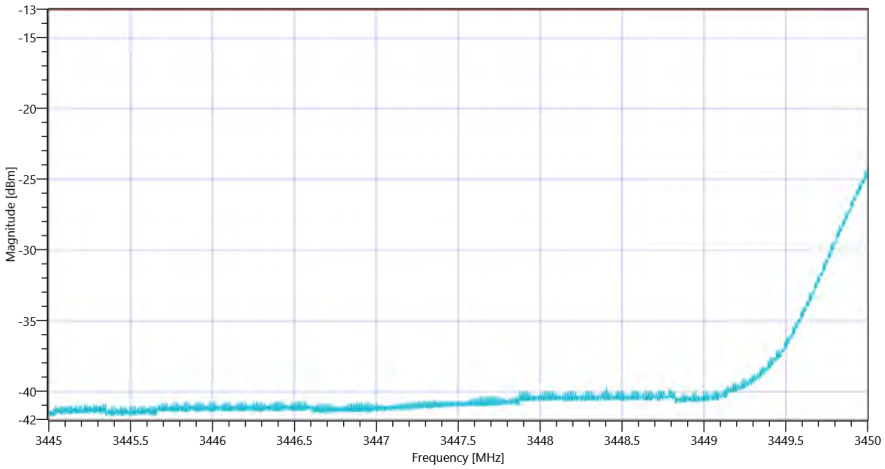
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 90

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.26 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -32.11 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.68 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.12 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.45 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.58 | dBm | PASS |



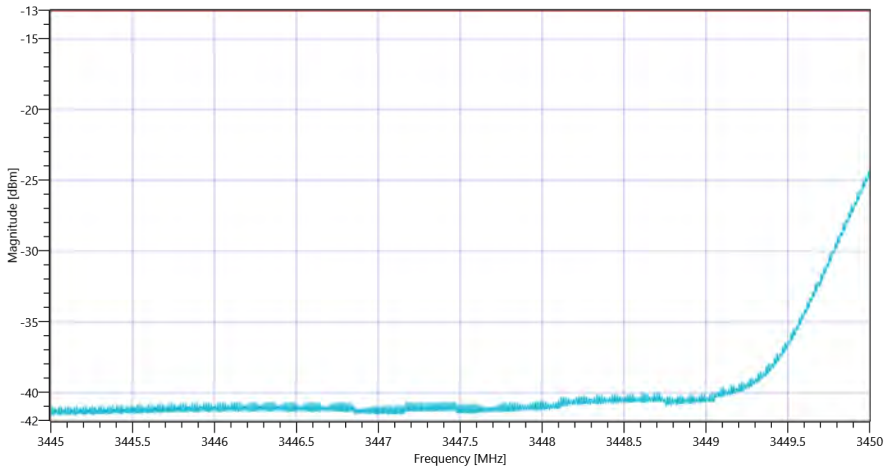

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.24 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -32.12 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.87 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.41 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.39 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.51 | dBm | PASS |

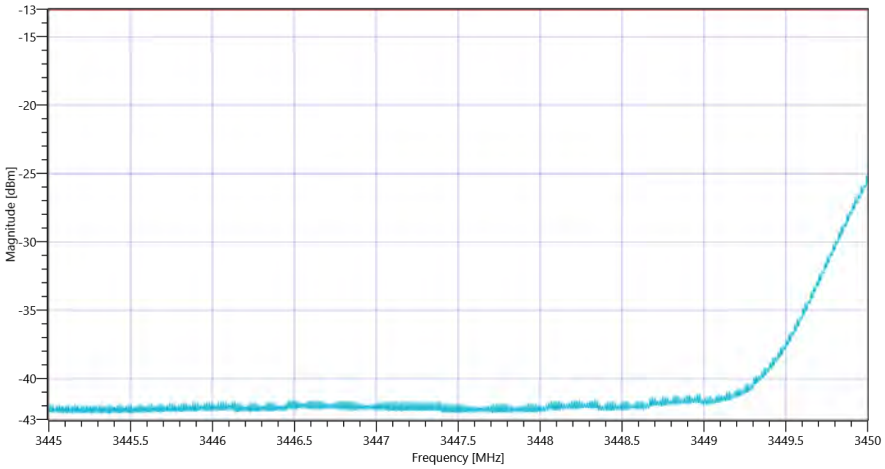



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 8.88 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -33.03 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -42.17 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.45 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.33 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.5 | dBm | PASS |

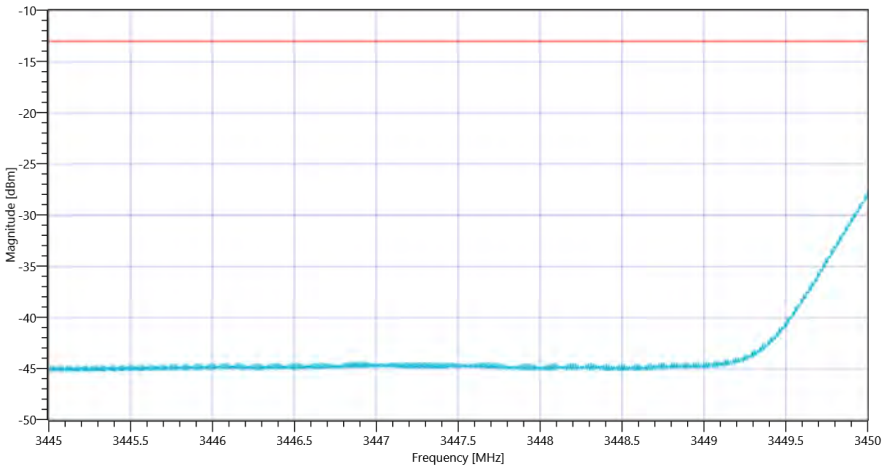



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.82 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -35.85 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -45.14 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -45.04 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -45.08 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -45.24 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:59:46 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.7 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

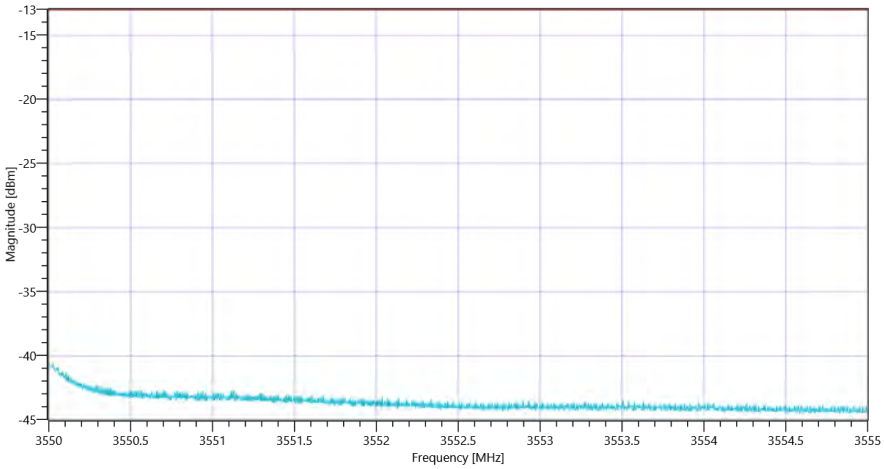
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 90

Test freq: high, UL[MHz]/CH 3505/0, CBW [MHz]: 90, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.48 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -42.95 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -43.73 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -44.19 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -44.3 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -44.47 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:52:13 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.6 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

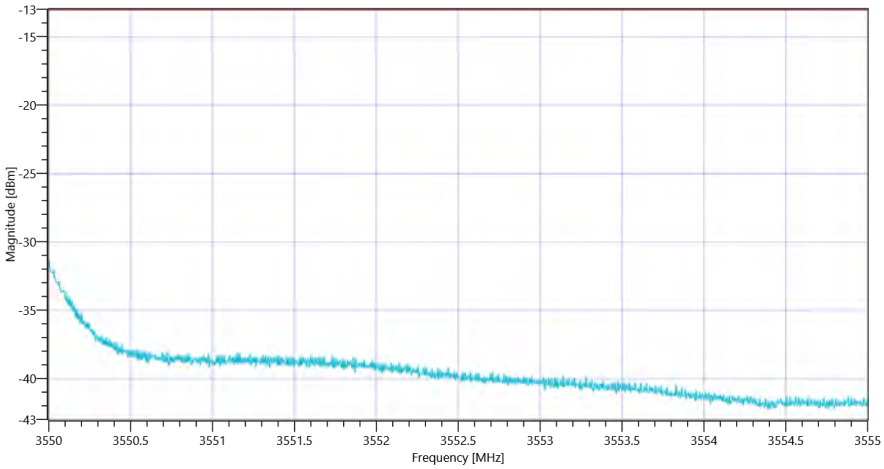
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 80

Test freq: high, UL[MHz]/CH 3510/0, CBW [MHz]: 80, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.54 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -36.98 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.07 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.04 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.98 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.97 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:44:32 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.6 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

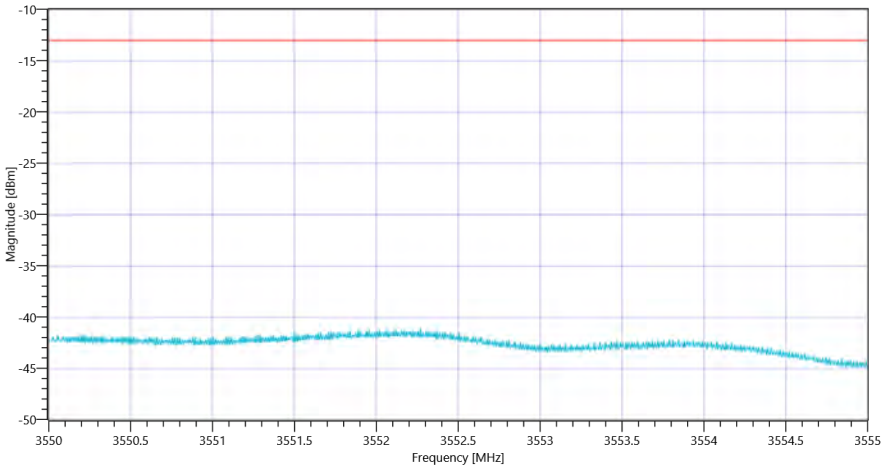
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 70

Test freq: high, UL[MHz]/CH 3515/0, CBW [MHz]: 70, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.98 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -39.55 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.3 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.4 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.11 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.9 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:34:08 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.6 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

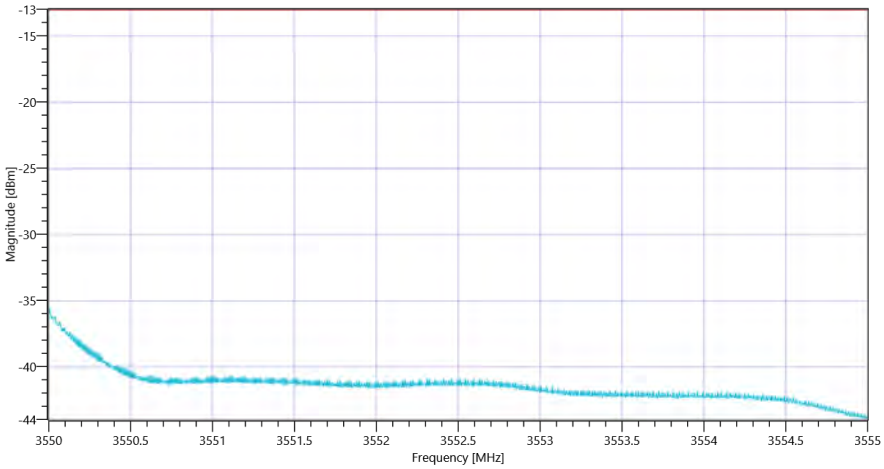
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 60

Test freq: high, UL[MHz]/CH 3520/0, CBW [MHz]: 60, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.48 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -36.82 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.46 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -38.62 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -39.34 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -39.97 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:25:02 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.7 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

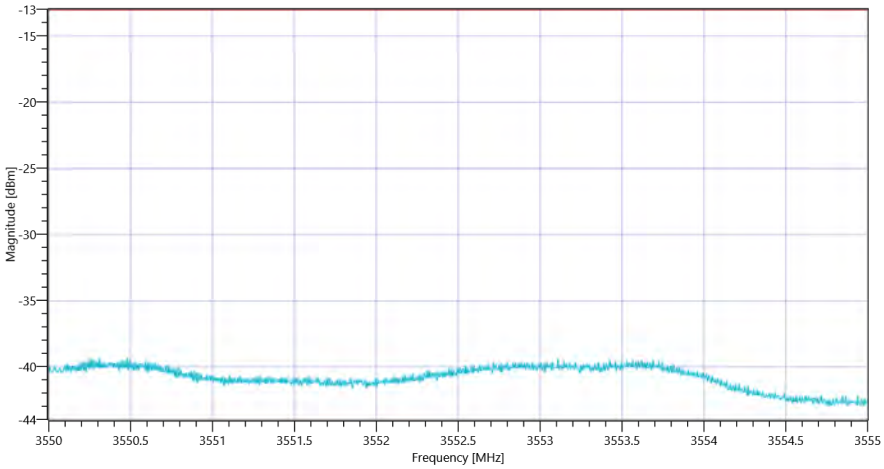
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 50

Test freq: high, UL[MHz]/CH 3525/0, CBW [MHz]: 50, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.69 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.44 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.39 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -37.71 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -37.34 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -39.38 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:16:26 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.9 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

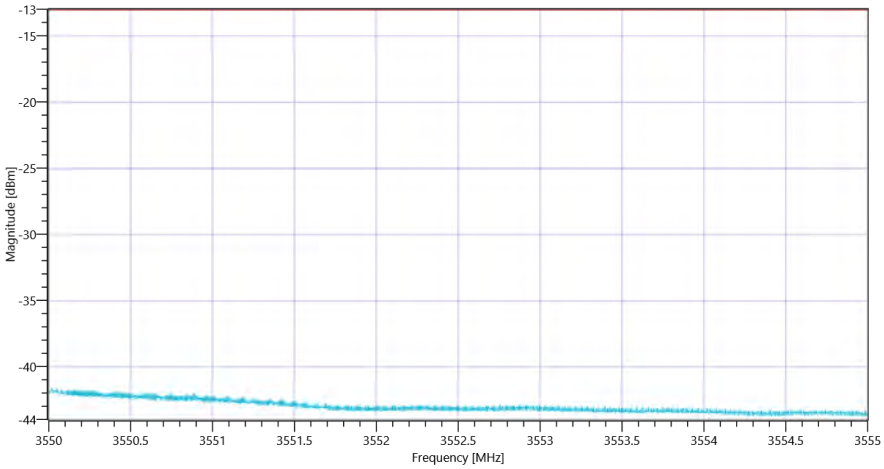
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.83 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -39.45 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.12 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.41 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.56 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.75 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 10:05:21 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.7 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

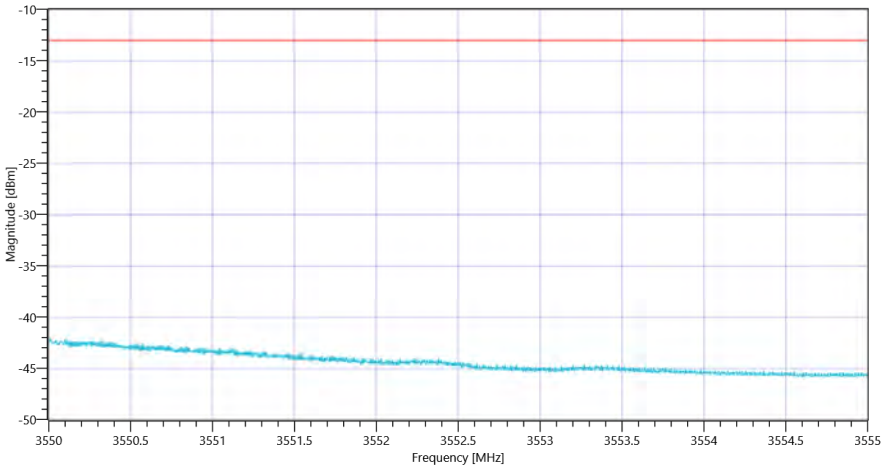
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 17.02 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.93 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.92 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.72 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.19 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.61 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:57:43 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.7 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

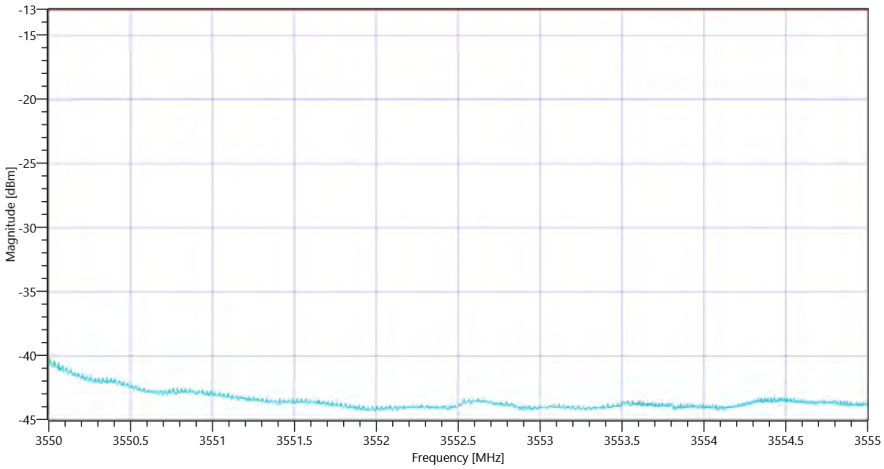
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 20

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 20.13 \| 0 \| 40 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -35.45 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -36.89 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -37.2 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -37.22 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -37 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:48:38 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.8 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

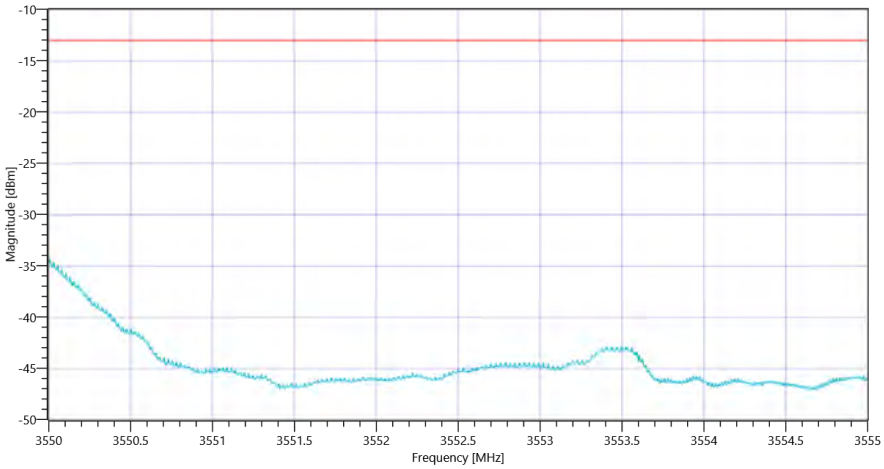
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 10

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 22.89 \| 0 \| 40 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -30.05 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -36.33 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -35.62 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -34.89 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -36.68 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:27:01 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.5 \| 36 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

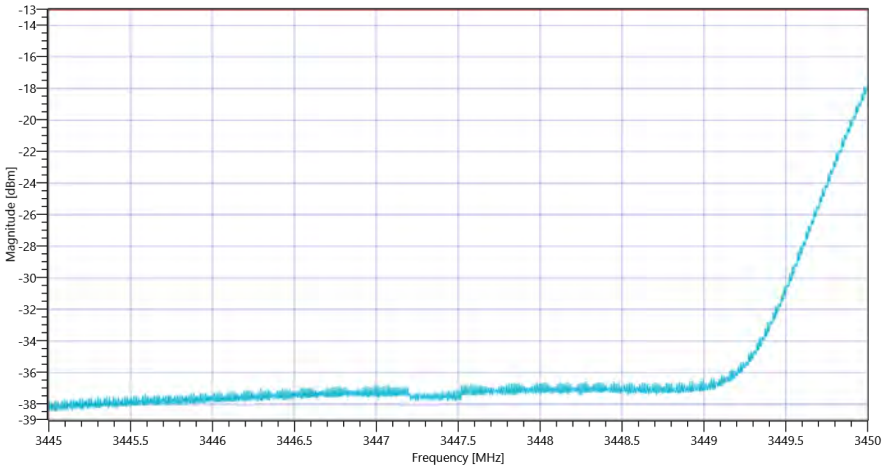
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 100

Test freq: low, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.54 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -25.64 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.33 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.56 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -37.7 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -38.17 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:17:24 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.5 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

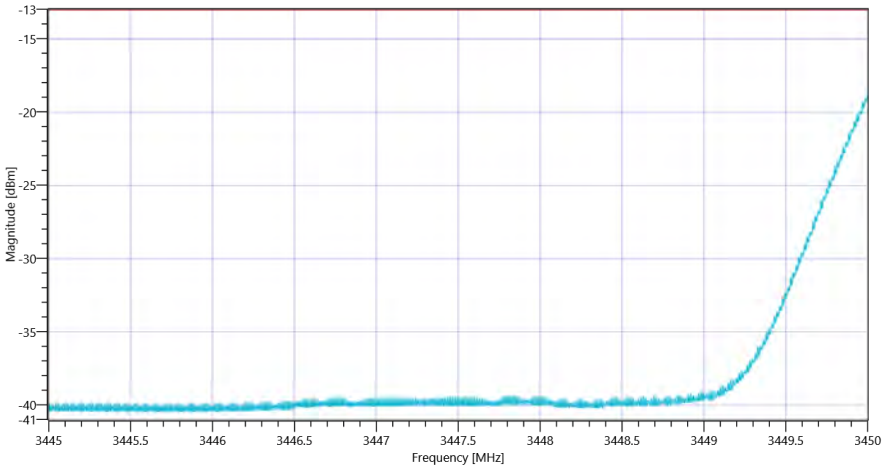
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 90

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.30 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -26.95 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.1 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.08 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.3 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.5 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:09:51 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.6 \| 36 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

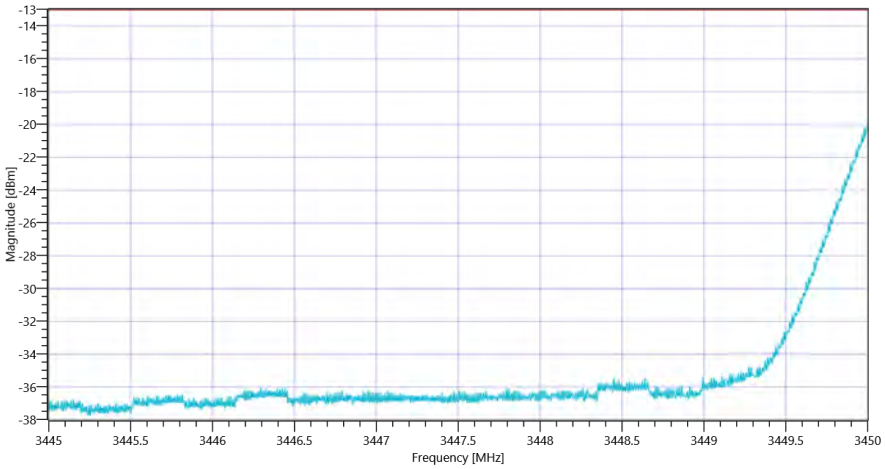
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 80

Test freq: low, UL[MHz]/CH 3490/0, CBW [MHz]: 80, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.58 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -27.96 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.59 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -36.94 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -36.96 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -37.38 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 09:00:09 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.4 \| 36 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

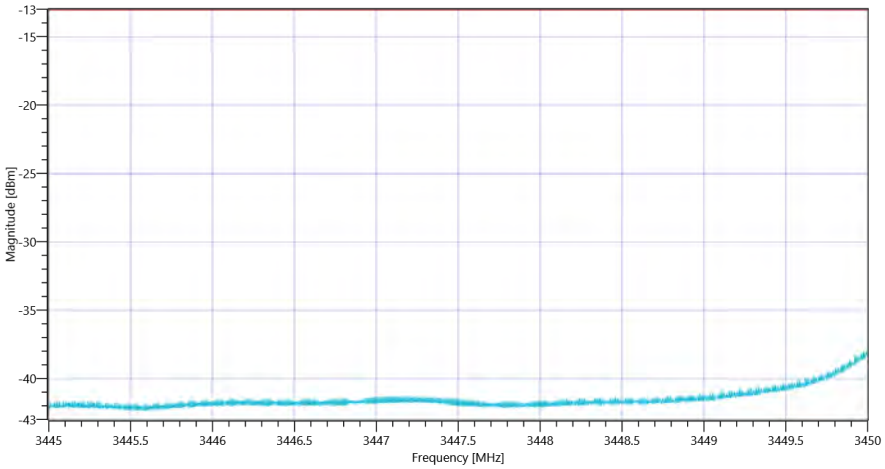
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 70

Test freq: low, UL[MHz]/CH 3485/0, CBW [MHz]: 70, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.60 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -37.55 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.94 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.01 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39.01 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.25 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 08:52:56 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.4 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

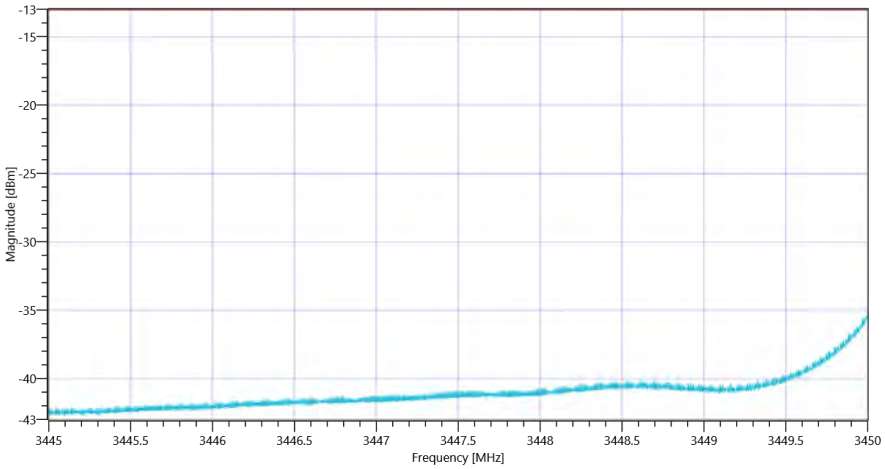
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 60

Test freq: low, UL[MHz]/CH 3480/0, CBW [MHz]: 60, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.76 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -36.4 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.94 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -38.52 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.52 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 08:45:31 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.3 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

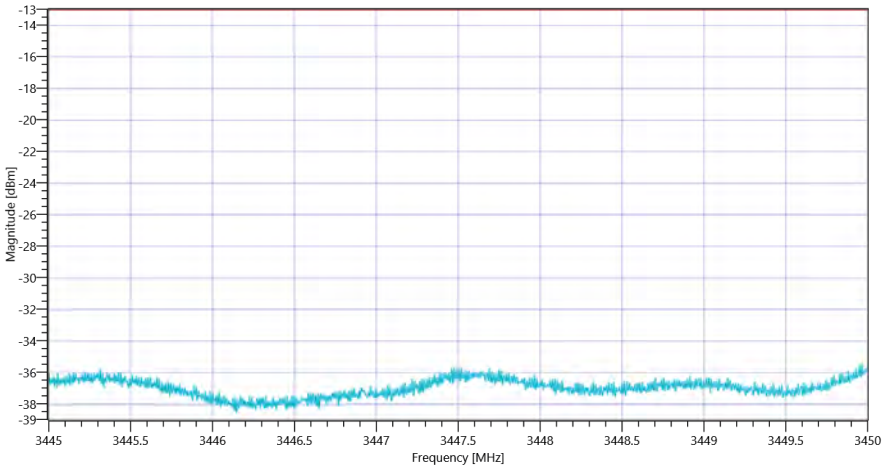
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 50

Test freq: low, UL[MHz]/CH 3475/0, CBW [MHz]: 50, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.90 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -34.11 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -34.21 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -33.89 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -34.99 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -34 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 08:34:17 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

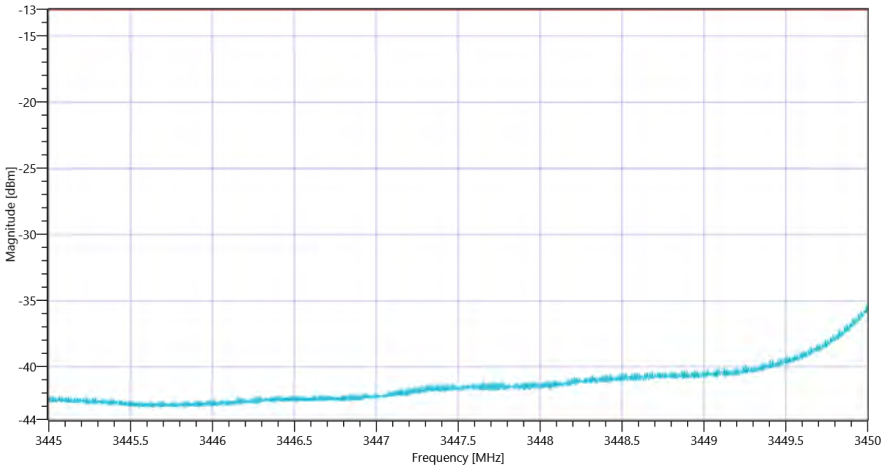
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 17.92 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -36.15 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.18 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -38.93 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39.73 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.99 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 08:23:00 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 18.61 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -35.95 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.17 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.79 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.33 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.49 | dBm | PASS |

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 08:15:34 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.0 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

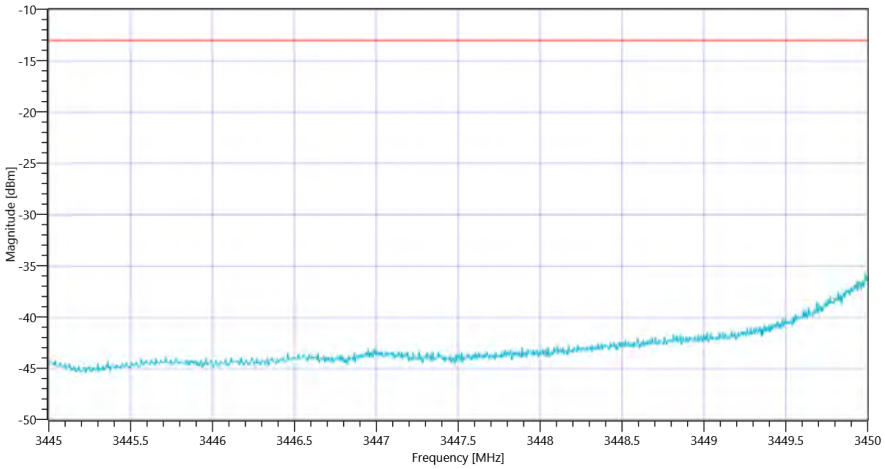
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 20

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 19.78 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -32.99 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -36.01 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.05 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -37.42 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -37.94 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 07:42:47 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.8 \| 35 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

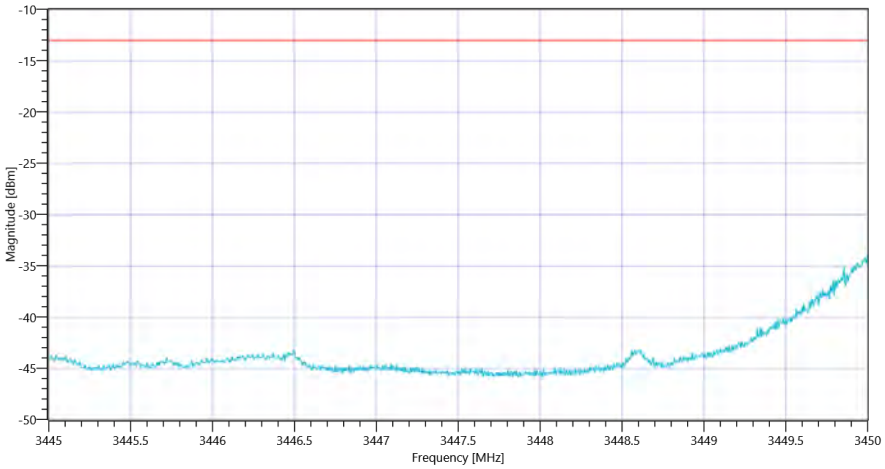
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 10

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 23.24 \| 0 \| 40 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -29.2 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -34.89 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -35.61 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -34.67 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -34.83 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 17.06.2022 07:24:37 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.7 \| 36 |
| System Version | 3.1.1.3 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | DFTOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

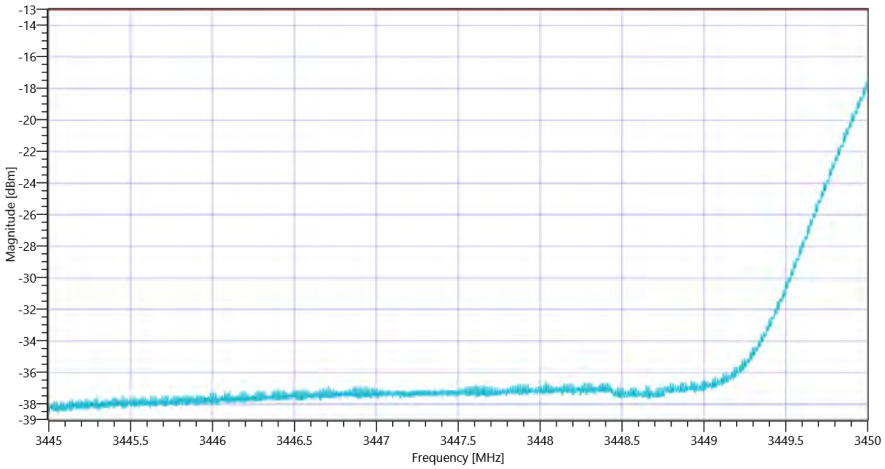
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 100

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: BPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.93 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -25.55 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.43 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.53 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -37.77 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -38.23 | dBm | PASS |

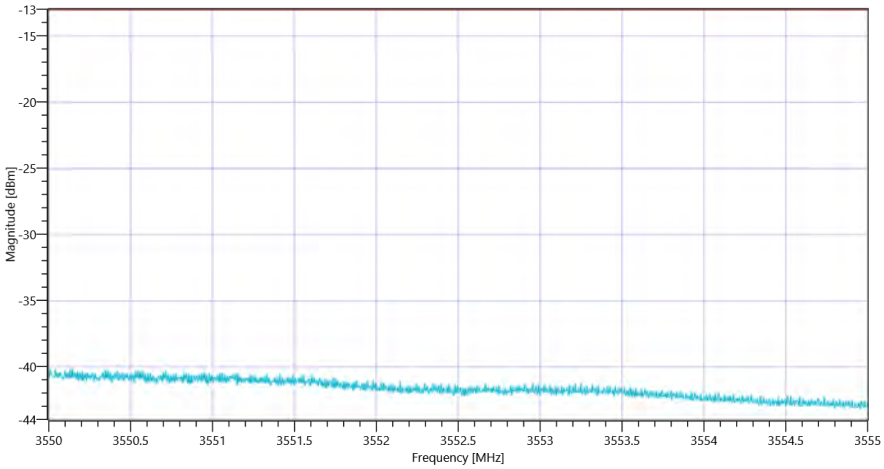



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.93 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -41.06 | dBm | PASS |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3551.5 | --- | -13 | -41.42 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -42.02 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -42.24 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -42.93 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-1 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 15:30:04 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.2 \| 39 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

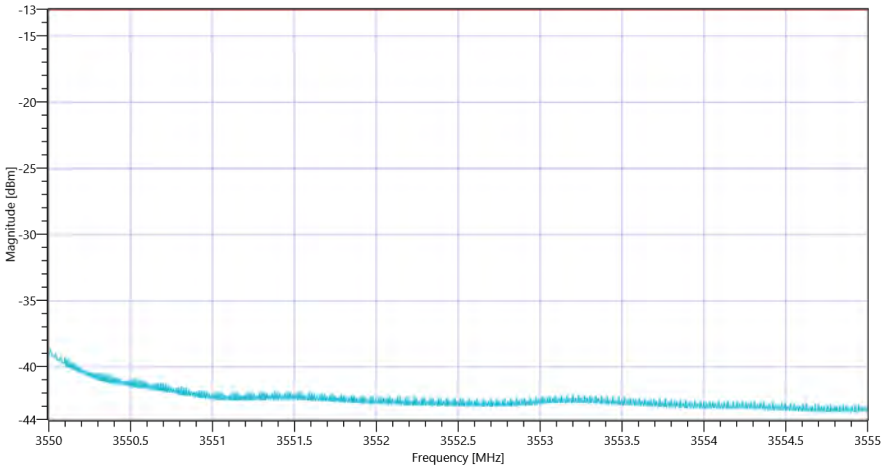
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 11.55 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -38.25 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.62 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.98 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -39.95 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.36 | dBm | PASS |



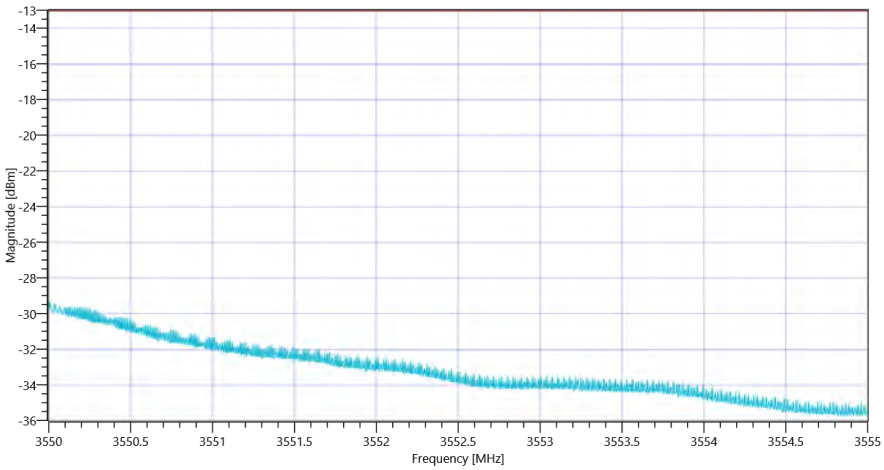

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -35.16 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -27.97 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -29.64 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -30.83 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -31.42 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -32.42 | dBm | PASS |

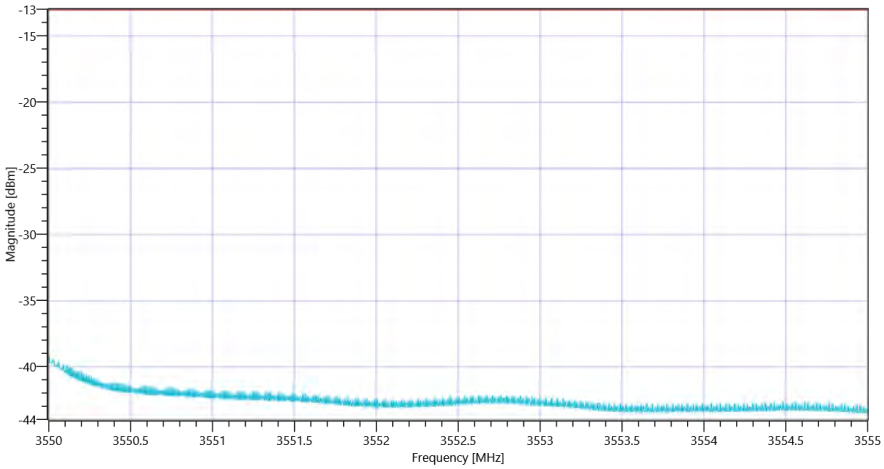



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 9.29 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -38.64 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.71 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -39.96 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.35 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.42 | dBm | PASS |

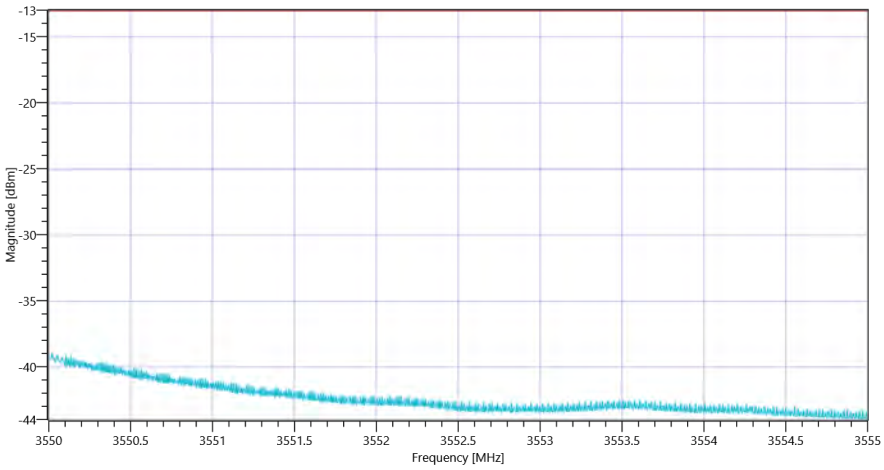



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3530/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.16 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.66 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -39.37 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -40.23 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.34 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -40.73 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 14:56:11 |
| Ambit Temp [°C] \| Humidity [rel%] | 26.2 \| 39 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

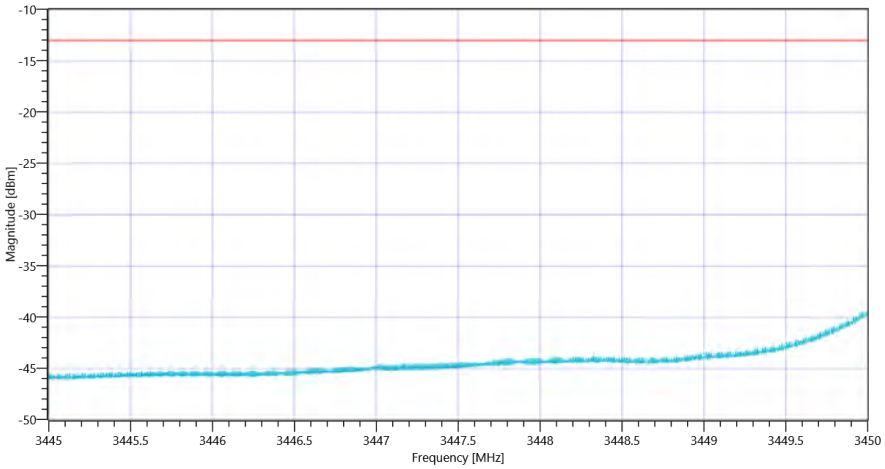
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.98 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -39.56 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.48 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.96 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.63 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -42.93 | dBm | PASS |



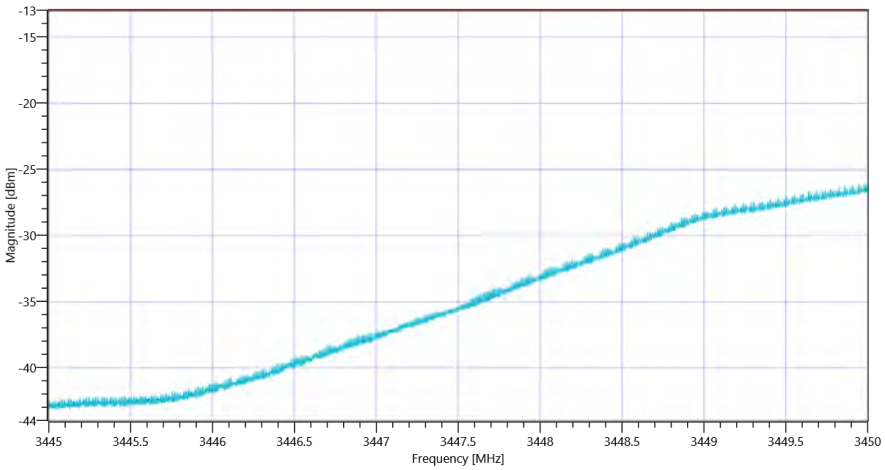

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.02 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -24.76 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -27.96 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -32.53 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -36.78 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.7 | dBm | PASS |

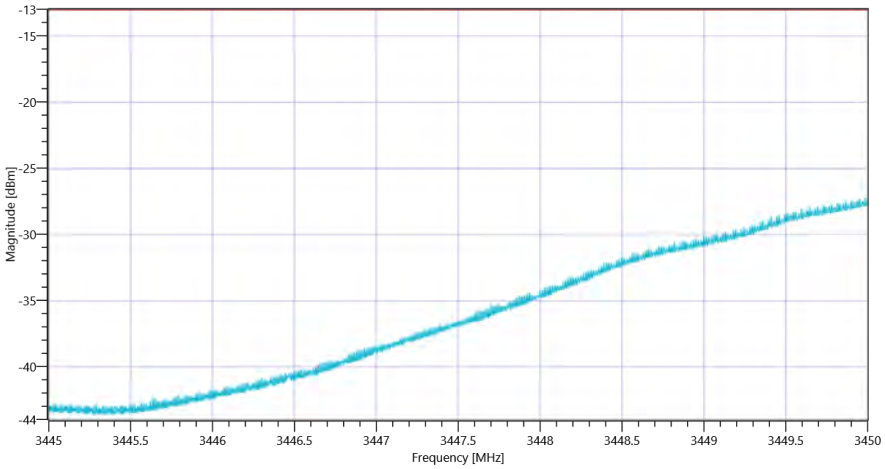



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.90 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -26.19 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -29.45 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -33.81 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -37.79 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.25 | dBm | PASS |

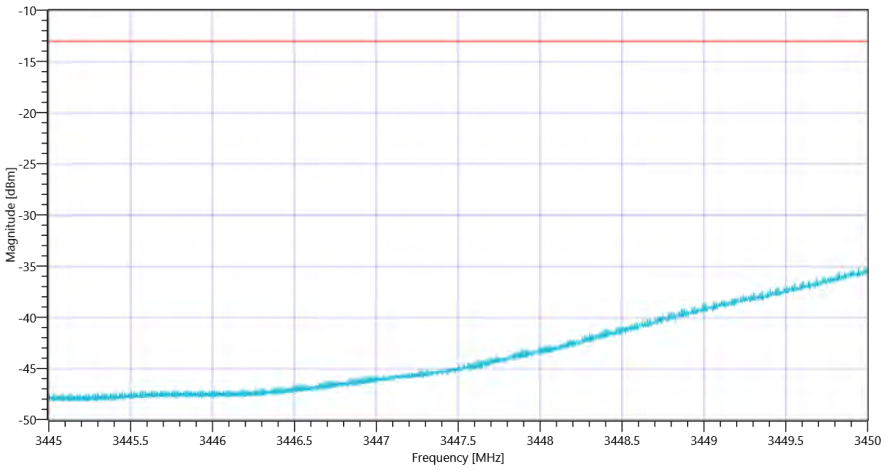



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3470/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.64 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.500000 \| 2.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -34.49 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.35 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -42.07 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -44.2 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.94 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 11:13:14 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.7 \| 42 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

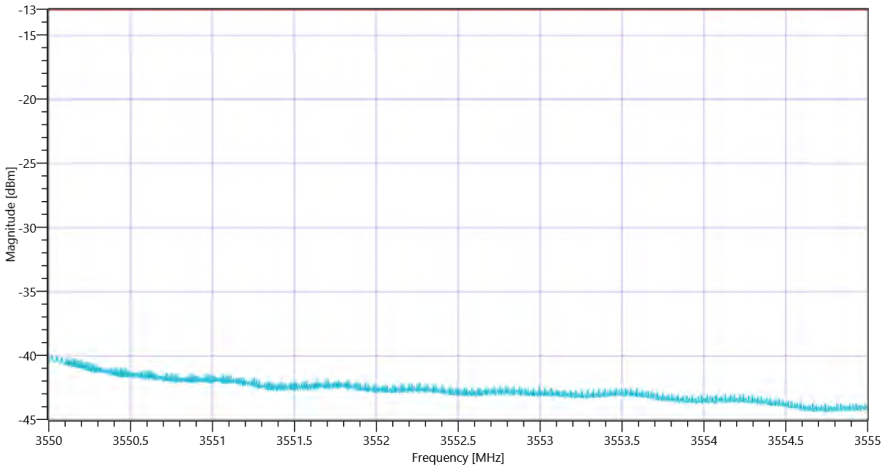
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.12 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -36.35 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -37.34 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -37.82 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -38.18 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -38.85 | dBm | PASS |



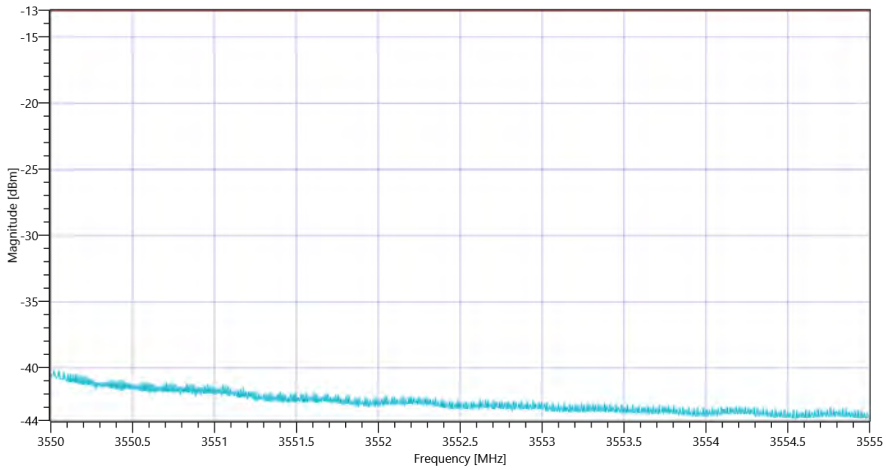

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.45 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -36.38 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -37.33 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -37.81 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -38.24 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -38.51 | dBm | PASS |

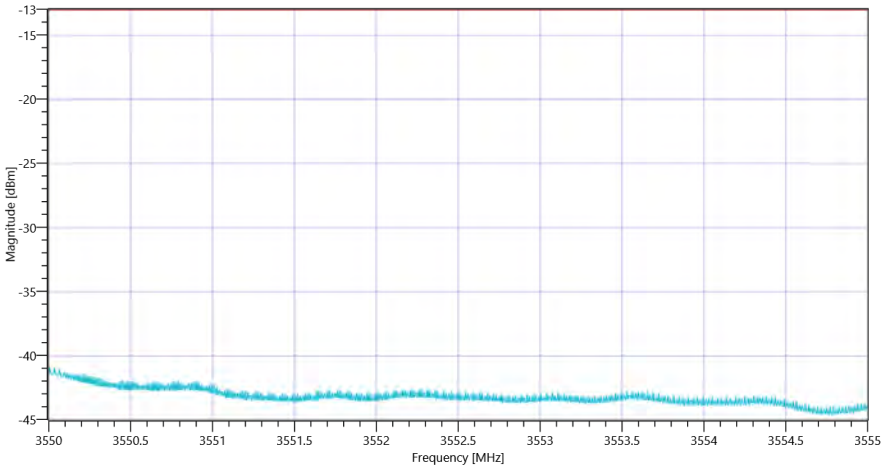



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.31 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.23 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -38.25 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -38.29 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -38.45 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -38.95 | dBm | PASS |

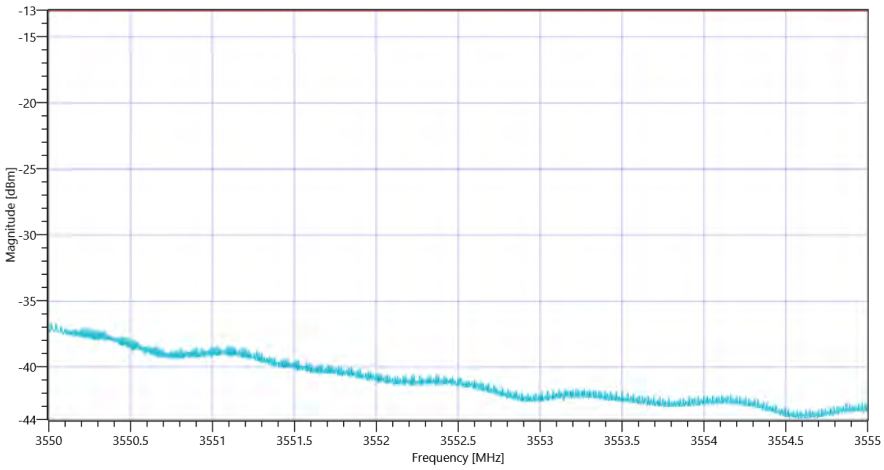



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3535/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -28.78 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -33.24 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -34.82 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -36.5 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -37.46 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -38.17 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 10:44:00 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.3 \| 41 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

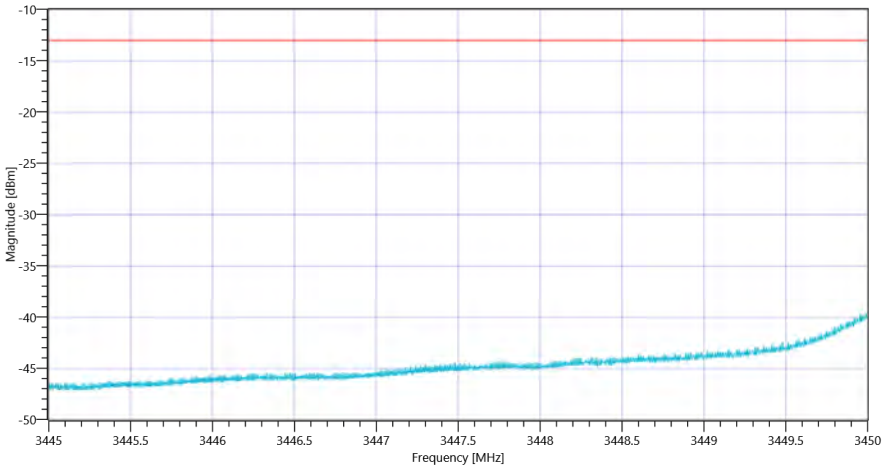
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 13.08 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -37.44 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.3 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.07 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.91 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.59 | dBm | PASS |



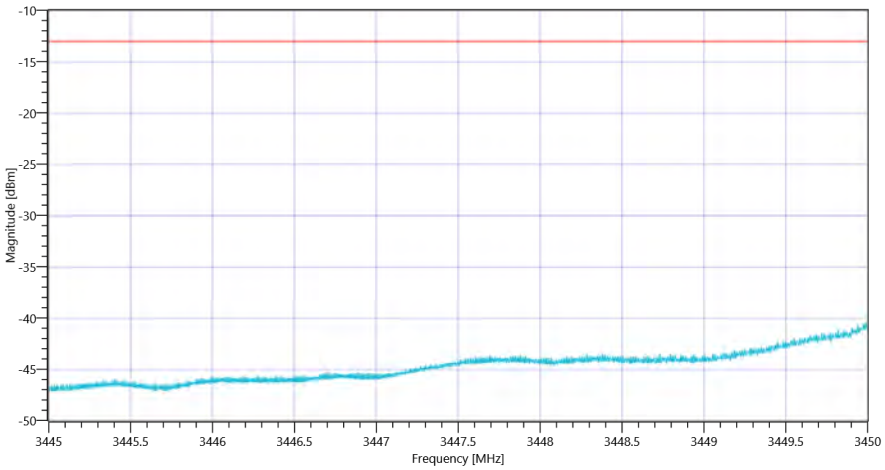

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 12.39 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -37.57 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.13 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.62 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.96 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.62 | dBm | PASS |

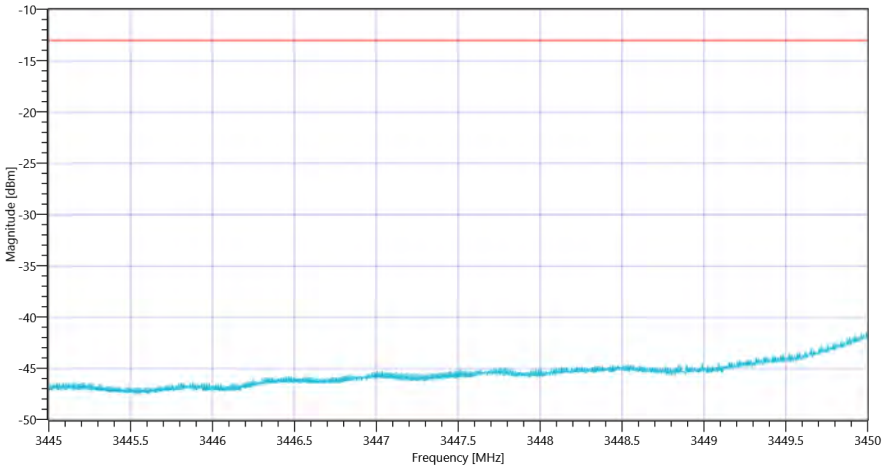



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.78 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -38.79 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -40.23 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -40.69 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.35 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.98 | dBm | PASS |

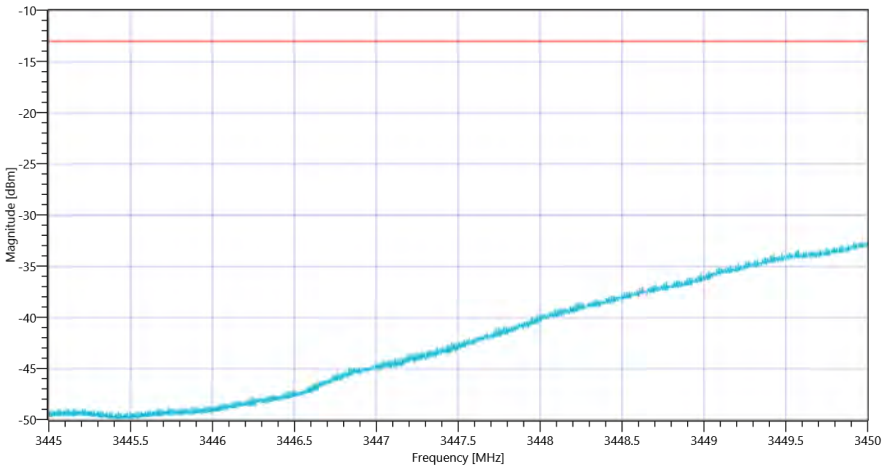



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3465/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.05 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.300000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -29.28 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -32.97 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.55 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -42.03 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -44.43 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 10:13:27 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.1 \| 41 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

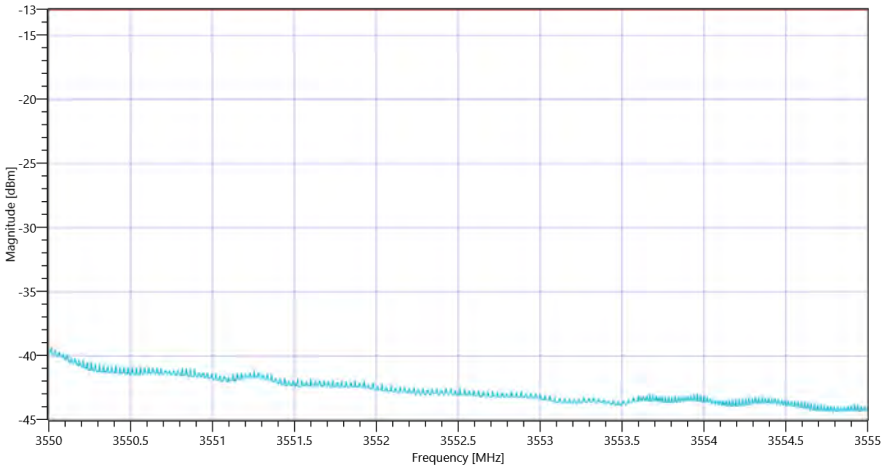
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 20

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 15.02 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -34.32 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -35.35 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -36.22 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -36.79 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -37.14 | dBm | PASS |



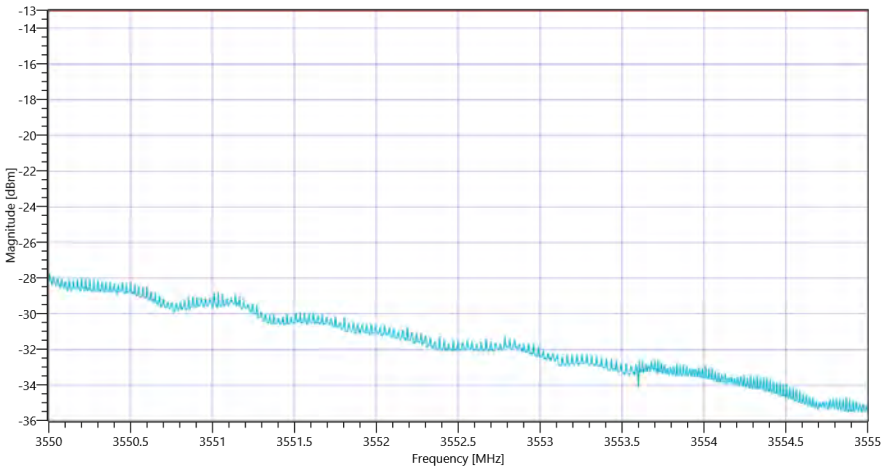

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -38.53 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -22.17 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -23.51 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -24.97 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -26.25 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -27.72 | dBm | PASS |

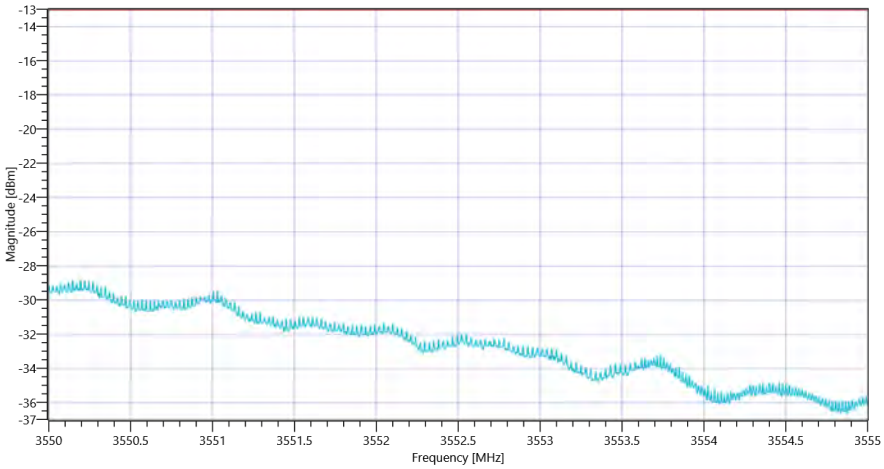



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -35.31 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -23.21 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -24.53 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -25.83 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -27.36 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -28.97 | dBm | PASS |

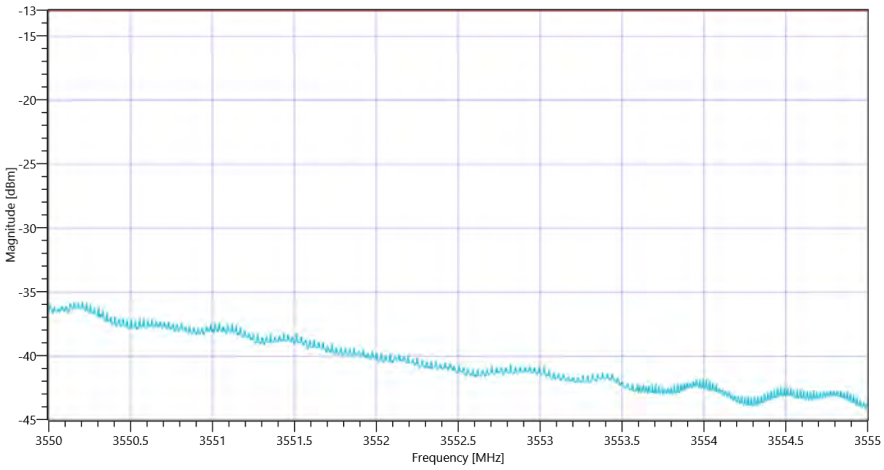



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3540/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -29.37 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -30.49 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -32.21 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -34.18 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -35.42 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -36.45 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 09:19:13 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 42 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

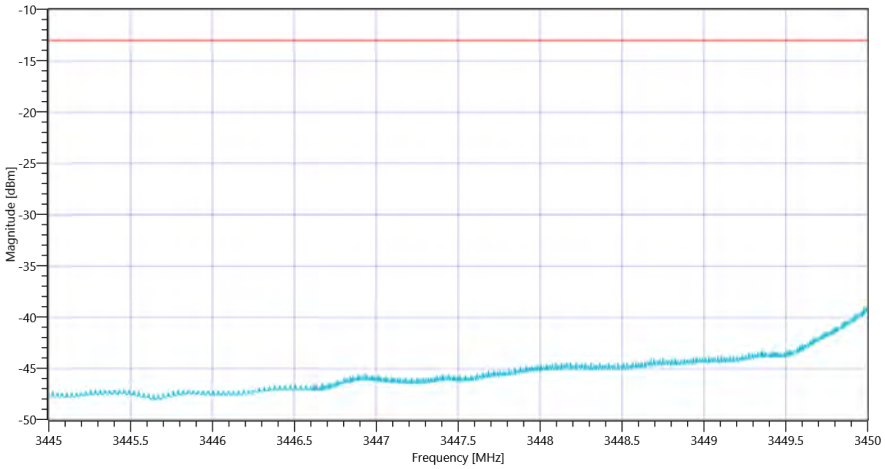
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 20

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 14.14 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -35.83 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.99 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.13 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.13 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.81 | dBm | PASS |



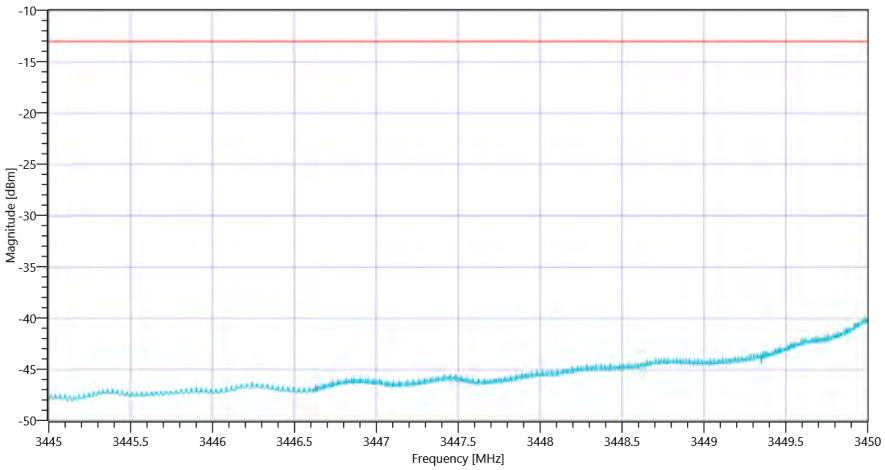

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 10.34 \| 0 \| 30 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -35.96 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -38.03 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.38 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -39.99 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.68 | dBm | PASS |

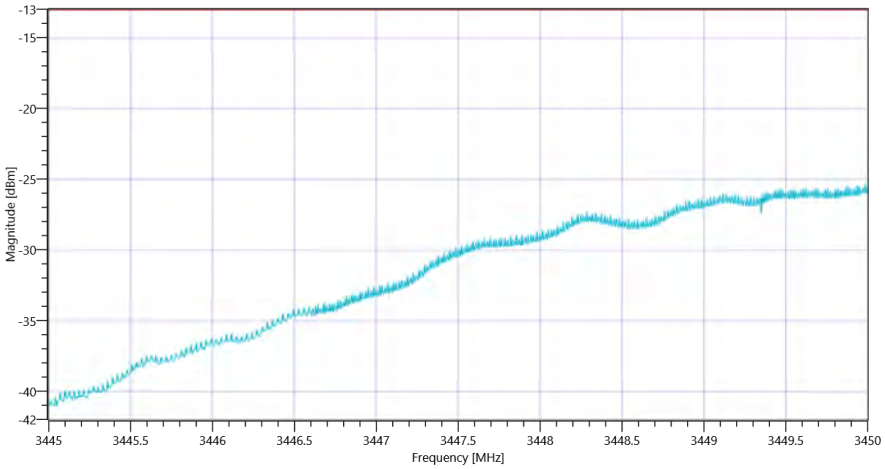



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.11 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -19.53 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -21.19 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -23.79 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -28.02 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -31.81 | dBm | PASS |

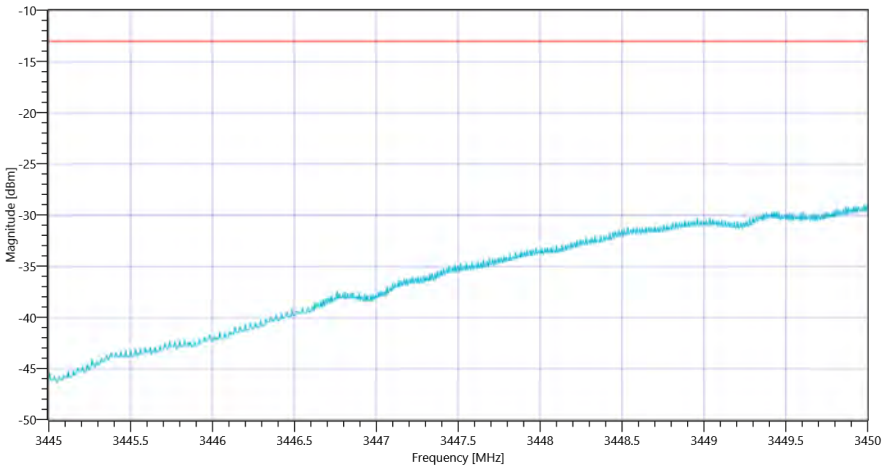



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3460/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -28.04 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.200000 \| 1.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -23.54 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -25.24 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -28.57 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -32.77 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -36.97 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 10.06.2022 08:42:57 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.0 \| 43 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | False |
| Frequency high to test | True |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

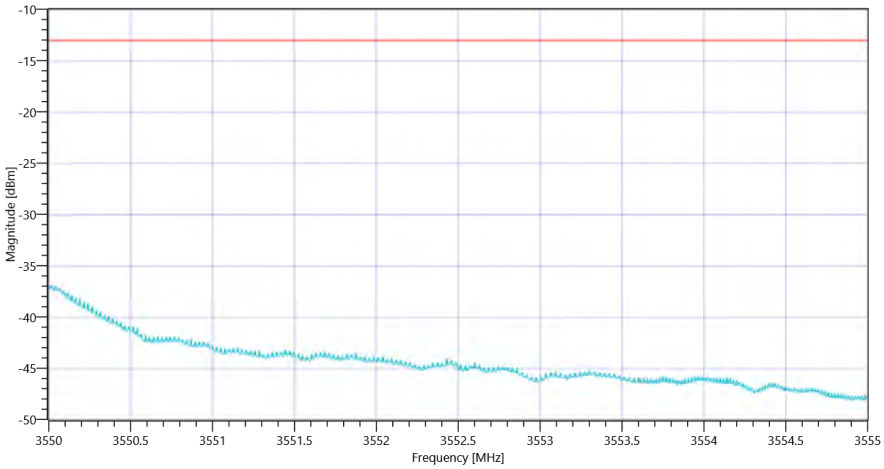
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 10

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 17.00 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -30.62 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -34.02 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -35.21 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -36.23 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -37.29 | dBm | PASS |



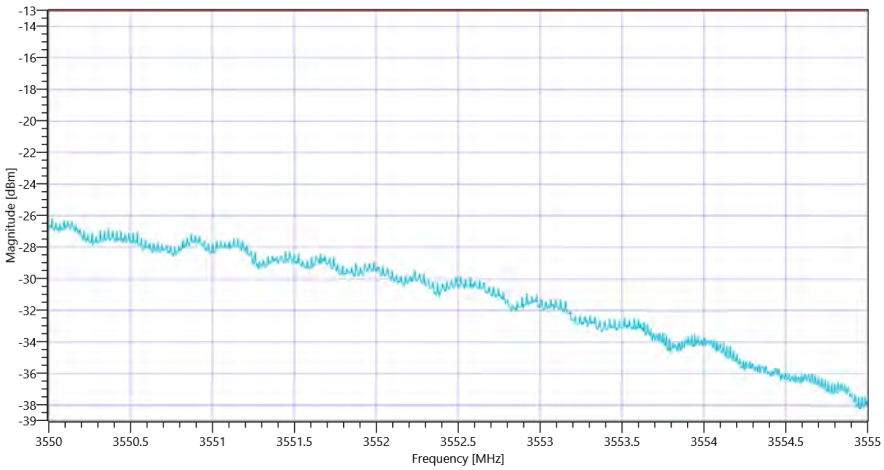

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -45.49 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3550.5 | --- | -13 | -17.8 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -19.08 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -20.82 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -23.28 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -26.21 | dBm | PASS |

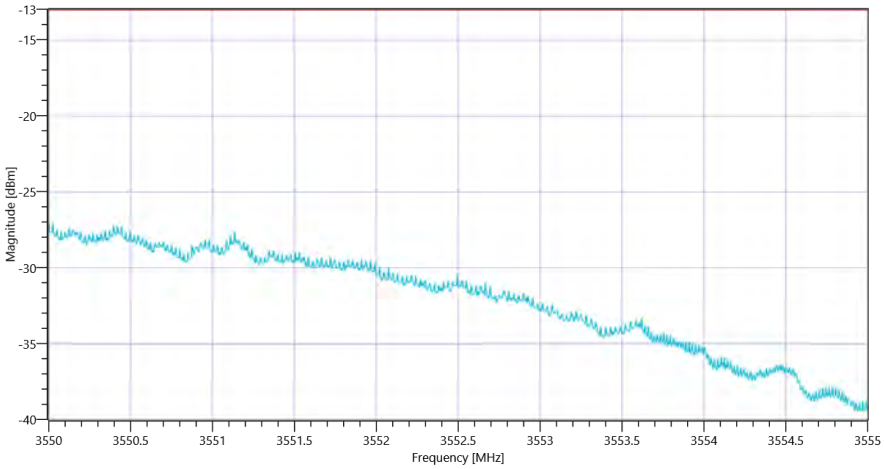



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -34.66 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -18.55 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -19.67 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -21.65 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -24.32 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -27.66 | dBm | PASS |

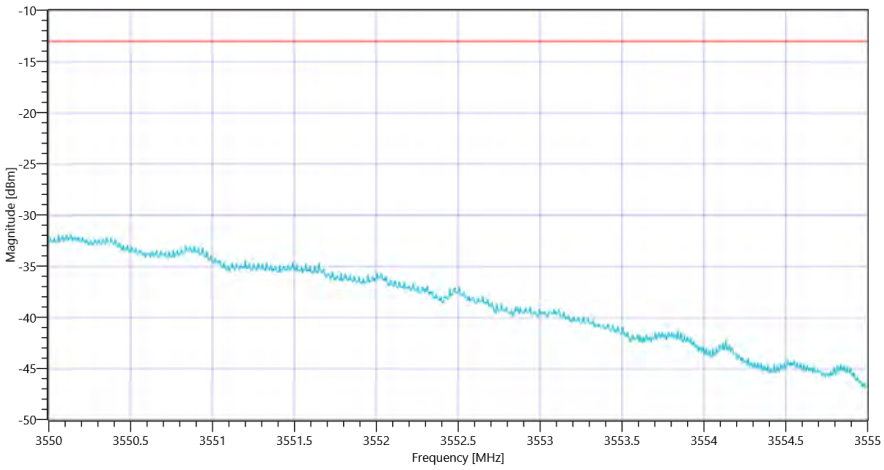



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: high, UL[MHz]/CH 3545/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -27.84 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -23.4 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -25.73 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -28.2 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -31.37 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -34.9 | dBm | PASS |



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 09.06.2022 16:24:50 |
| Ambit Temp [°C] \| Humidity [rel%] | 27.9 \| 37 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

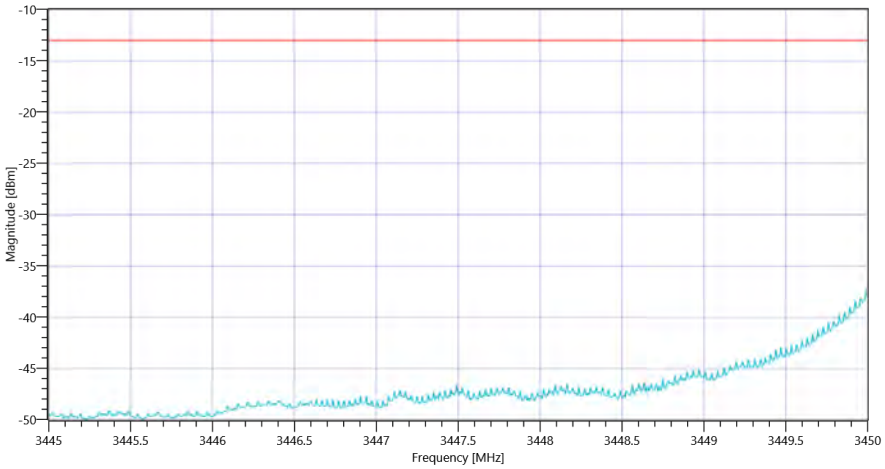
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 10

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 16.80 \| 0 \| 35 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -32.6 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -37.18 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -37.98 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -38.87 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -39.86 | dBm | PASS |



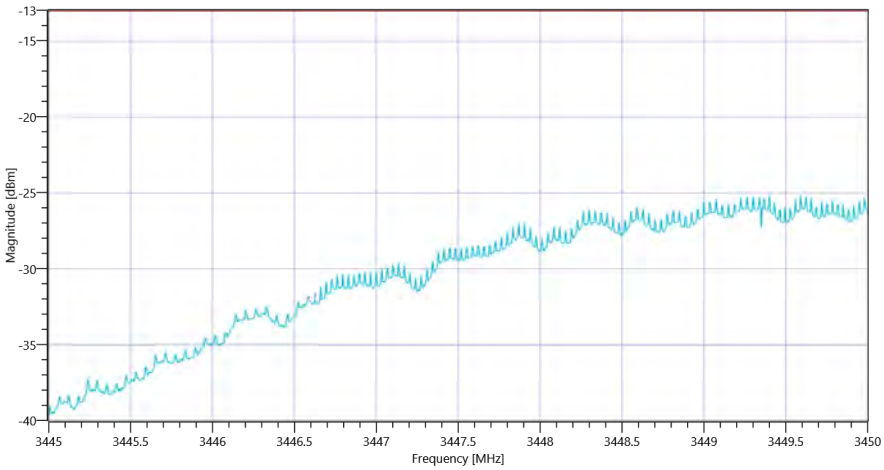

*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -28.14 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3450.5 | --- | -13 | -16.49 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -17.47 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -19.56 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -22.65 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -27.28 | dBm | PASS |

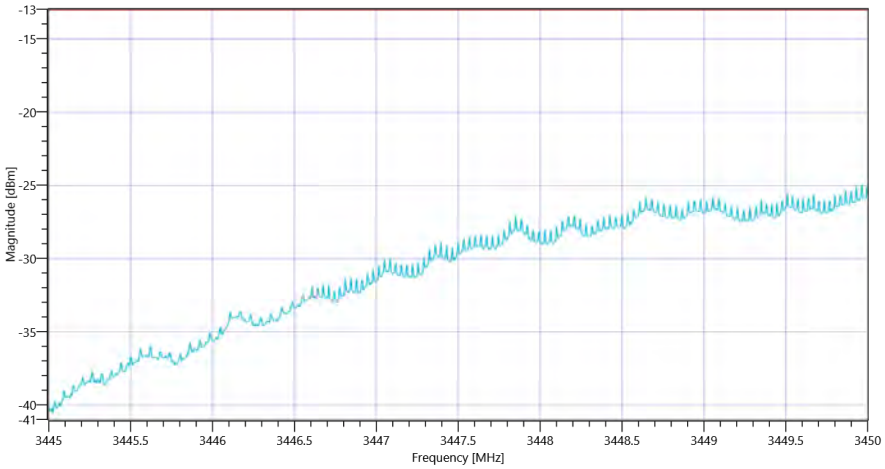



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -28.40 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -16.82 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -17.71 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -19.76 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -23.44 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -27.66 | dBm | PASS |

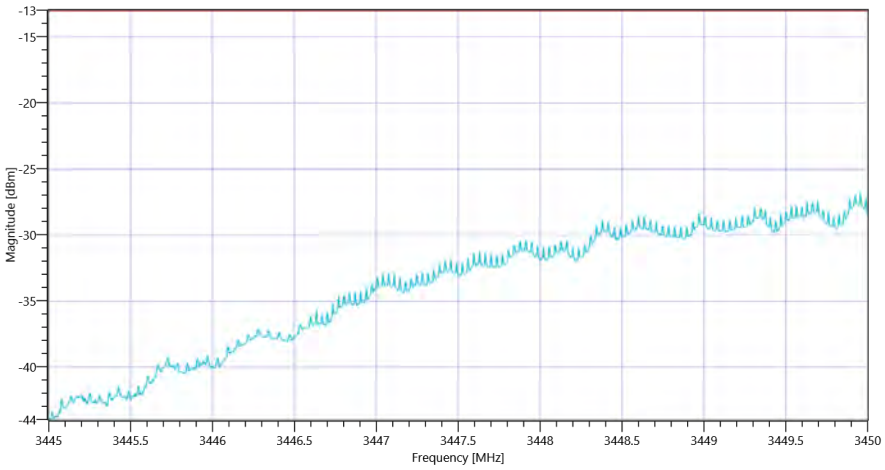



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: low, UL[MHz]/CH 3455/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.60 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 0.100000 \| 0.500000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -19.02 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -20.42 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -22.81 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -27.03 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -31.62 | dBm | PASS |



| General verdict | PASS |
|---|---|

# FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30

| Test References | |
|---|---|
| TC Start | 09.06.2022 15:25:35 |
| Ambit Temp [°C] \| Humidity [rel%] | 27.6 \| 37 |
| System Version | 3.1.0.8 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio Block edge conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 2 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

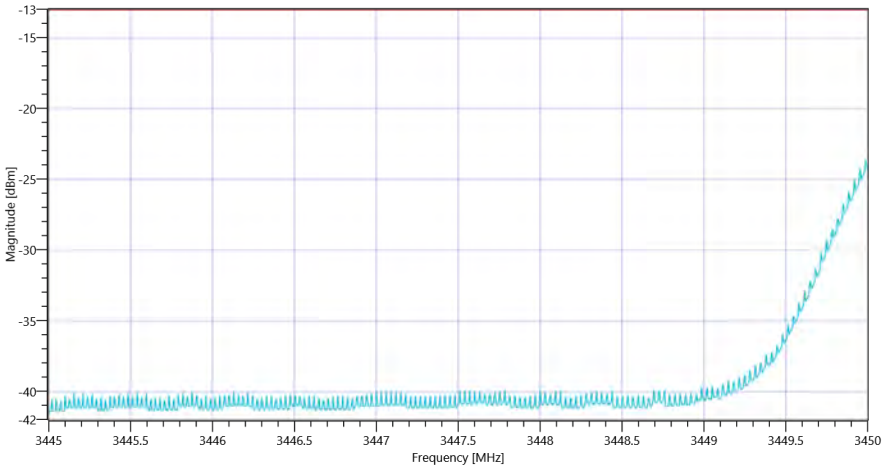
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 100

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.53 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -31.46 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.02 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.08 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.2 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.25 | dBm | PASS |

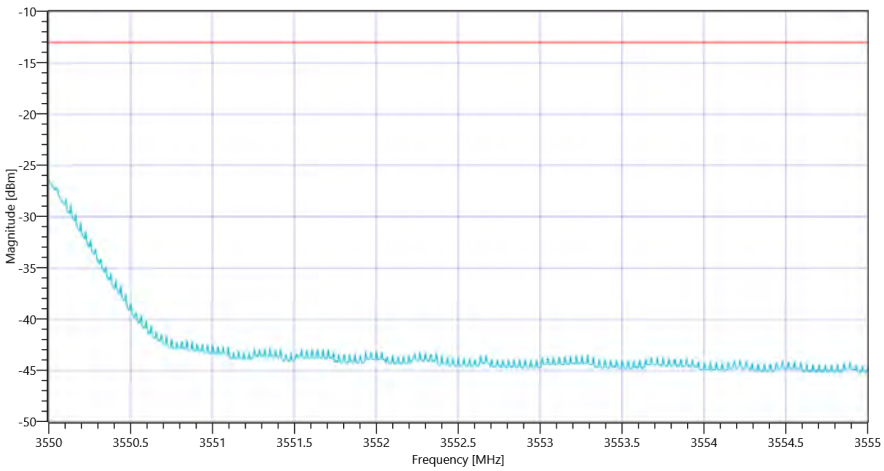



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.53 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -34.16 | dBm | PASS |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3551.5 | --- | -13 | -43.91 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -44.49 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -44.65 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -45.07 | dBm | PASS |

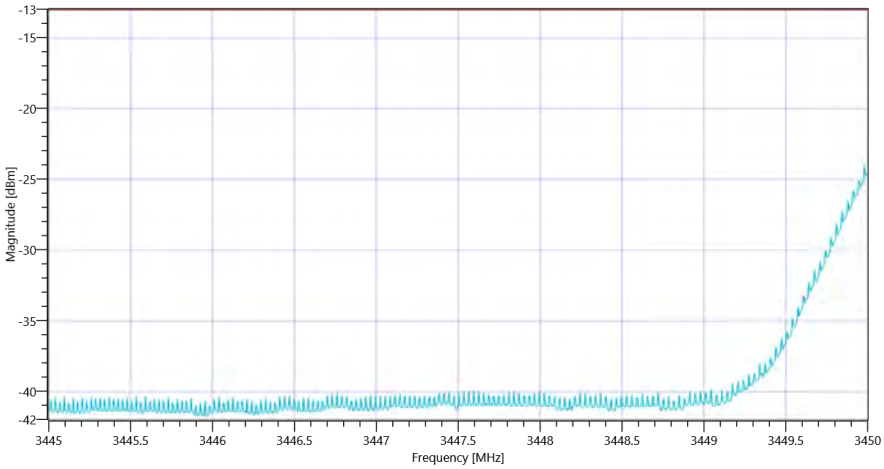



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 16QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.29 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

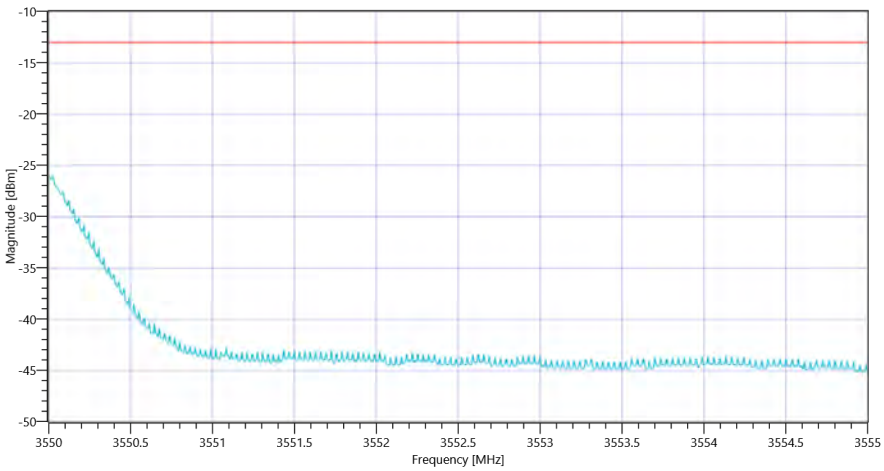
| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -31.86 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -41.17 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -41.07 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -41.4 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -41.49 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 6.29 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -33.74 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -44.06 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -44.41 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -44.73 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -44.76 | dBm | PASS |

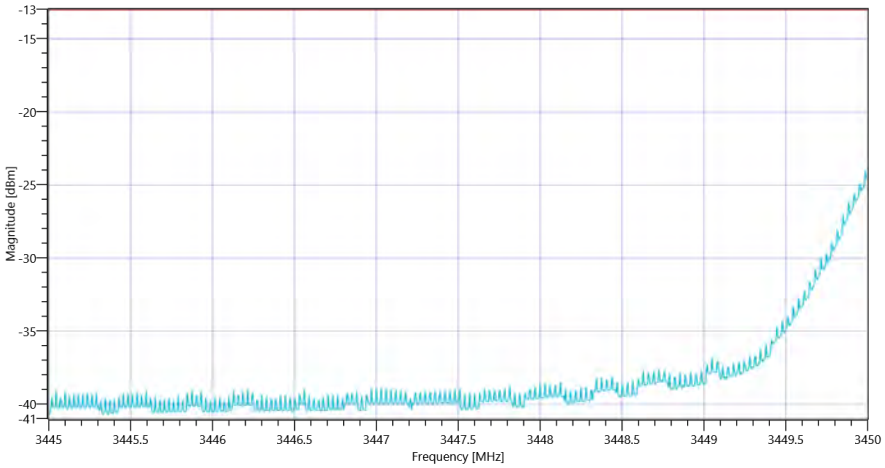



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 64QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.02 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -31.46 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -39.19 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -39.98 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -40.32 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -40.37 | dBm | PASS |

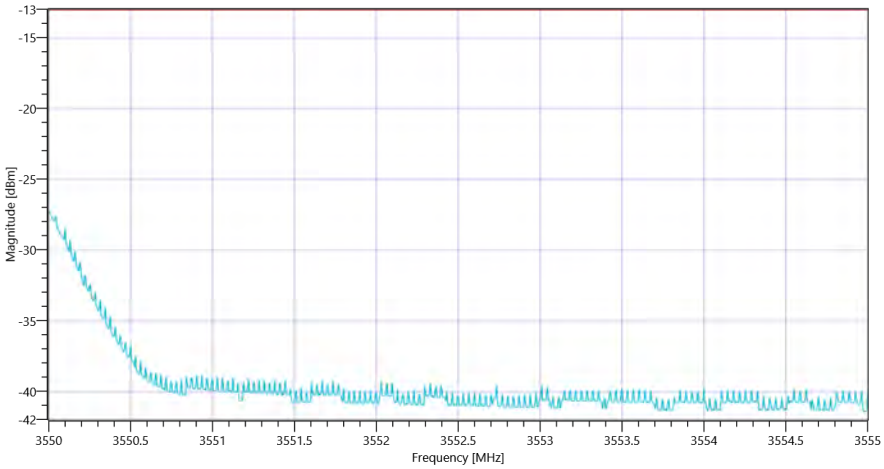



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -30.02 \| 0 \| 0 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -34.19 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -40.4 | dBm | PASS |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Frequency [MHz] 3552.5 | --- | -13 | -40.88 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -40.89 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -41.07 | dBm | PASS |

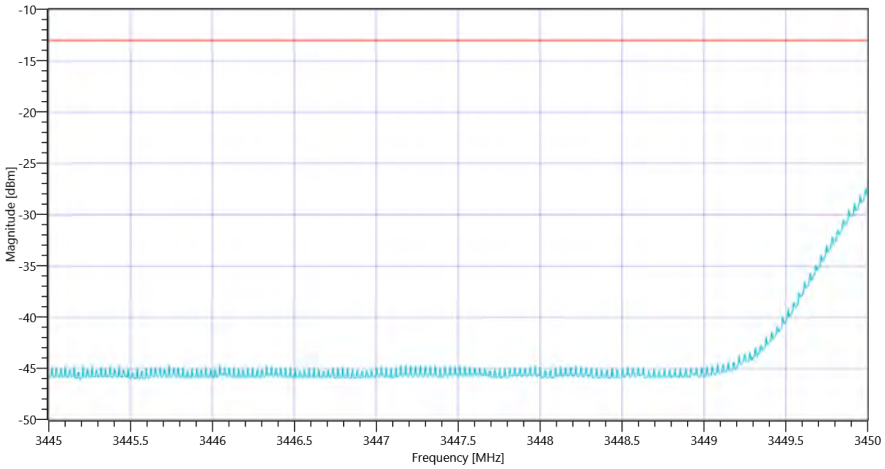



*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 100, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 2.73 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 3445.000 \| 3450.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

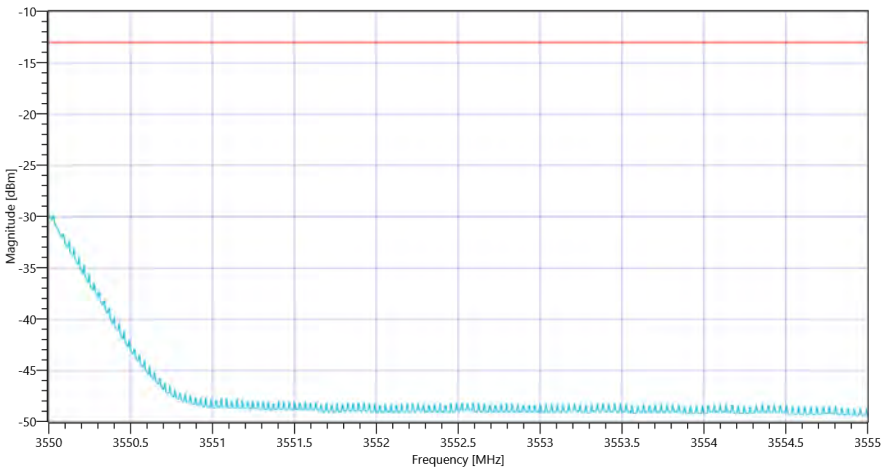
| RESULT lower band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3450.5 | --- | -13 | -35.3 | dBm | PASS |
| Frequency [MHz] 3451.5 | --- | -13 | -45.87 | dBm | PASS |
| Frequency [MHz] 3452.5 | --- | -13 | -45.8 | dBm | PASS |
| Frequency [MHz] 3453.5 | --- | -13 | -45.9 | dBm | PASS |
| Frequency [MHz] 3454.5 | --- | -13 | -45.88 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 2.73 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 3550.000 \| 3555.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | RMS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 30000 \| 1 \| 1001 \| SWE |

| RESULT upper band | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Band power 1MHz | | | | | |
| Frequency [MHz] 3550.5 | --- | -13 | -37.76 | dBm | PASS |
| Frequency [MHz] 3551.5 | --- | -13 | -48.89 | dBm | PASS |
| Frequency [MHz] 3552.5 | --- | -13 | -49.09 | dBm | PASS |
| Frequency [MHz] 3553.5 | --- | -13 | -49.15 | dBm | PASS |
| Frequency [MHz] 3554.5 | --- | -13 | -49.28 | dBm | PASS |




*FCC, ISED # Block edge conducted ~ NR Band_77_A Ant-2 SCS-30*

| General verdict | PASS |
| --- | --- |

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 11:36:28 |
| Ambit Temp [°C] \| Humidity [rel%] | 23.8 \| 43 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | True |
| Frequency mid to test | False |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

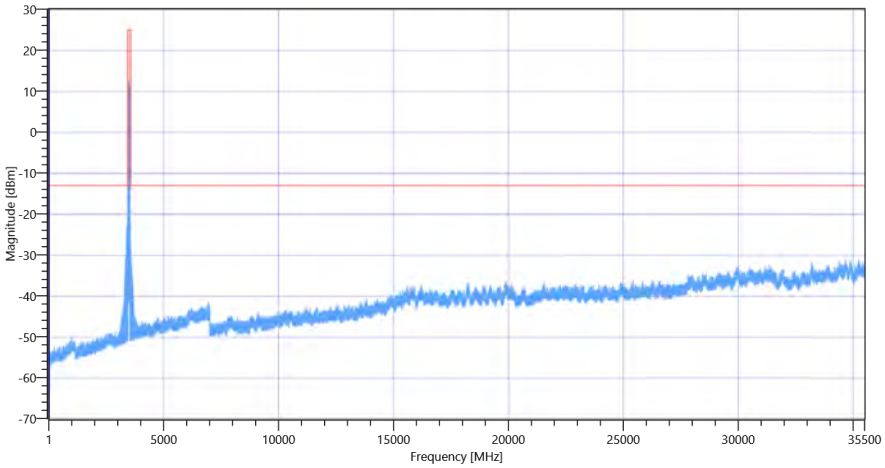
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 90

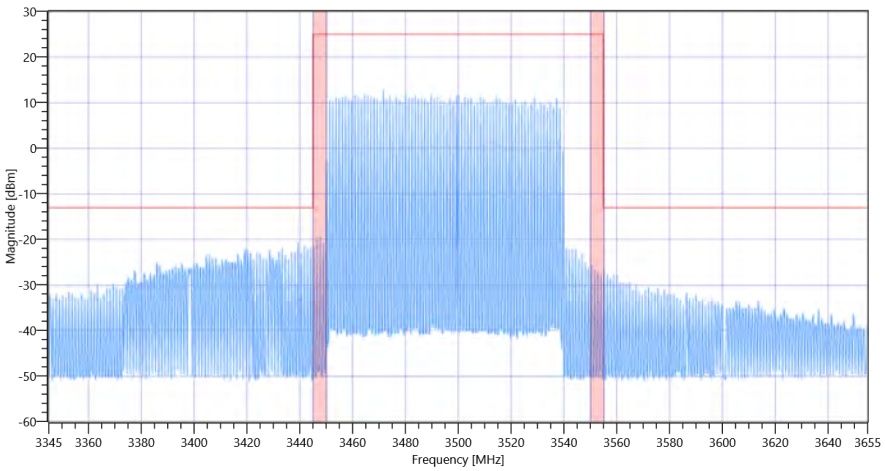
Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 1.09 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495 MHz*



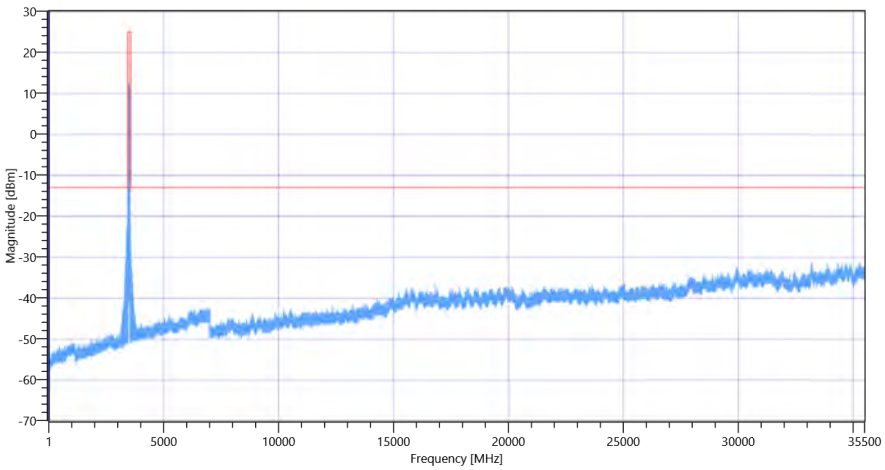

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495*

Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM

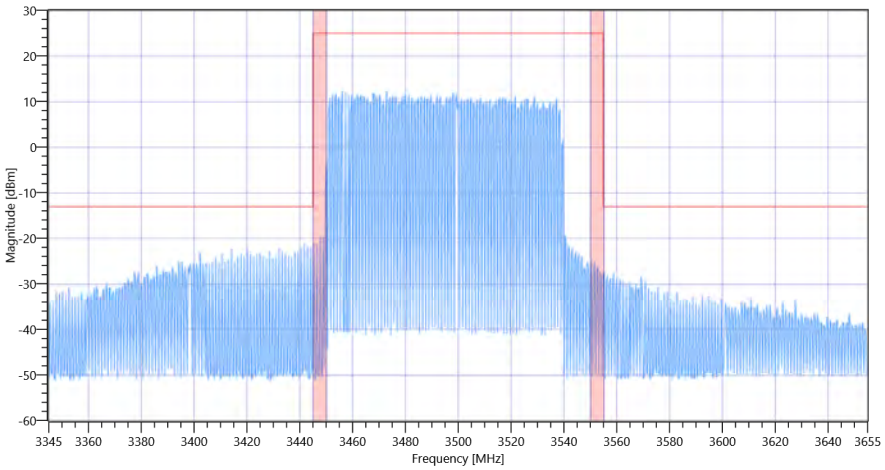
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 1.10 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495 MHz*



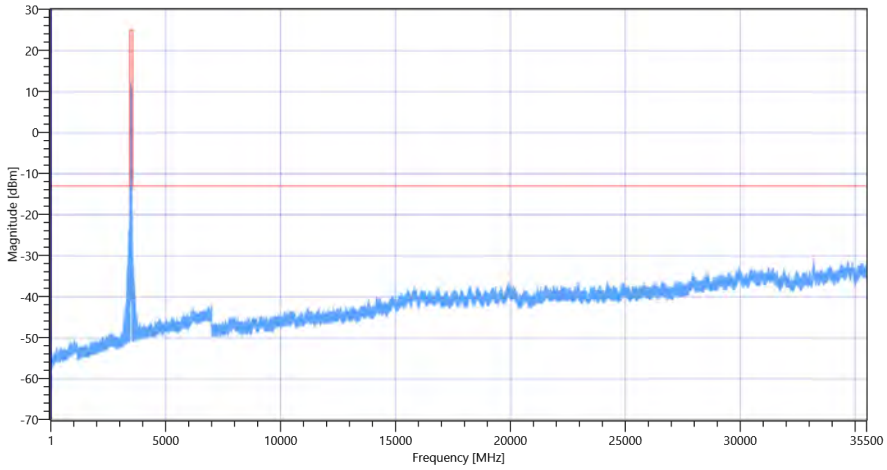

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495*

## Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM

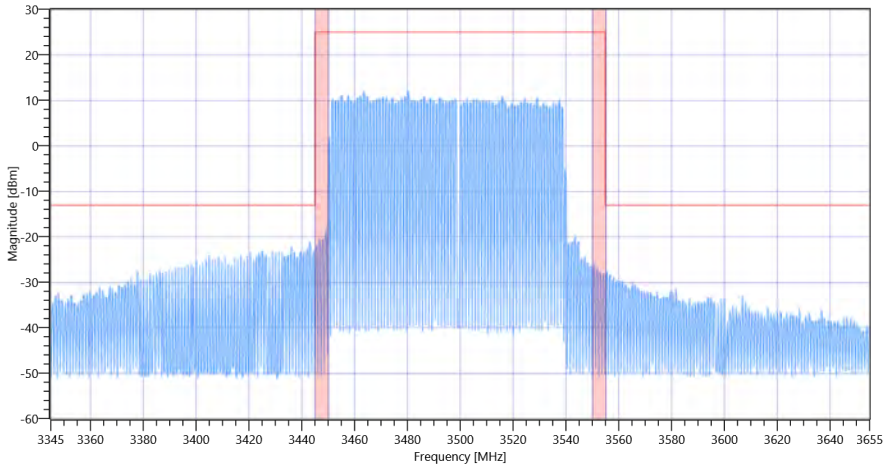
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 1.02 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495 MHz*

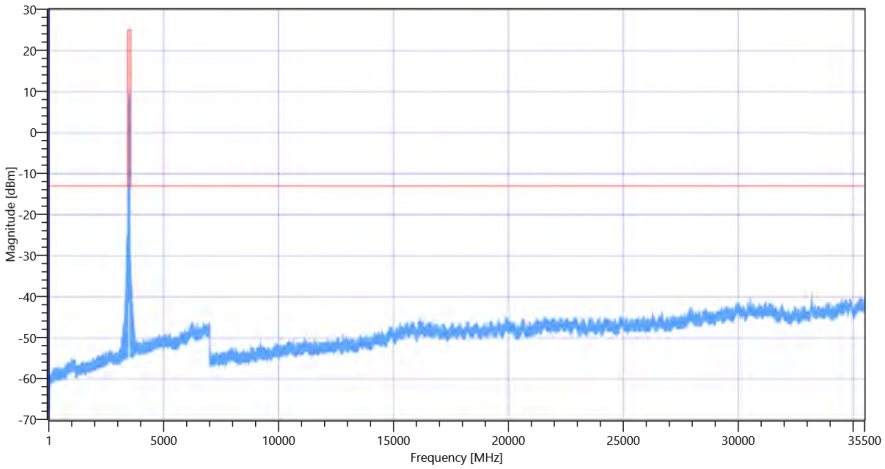



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495*

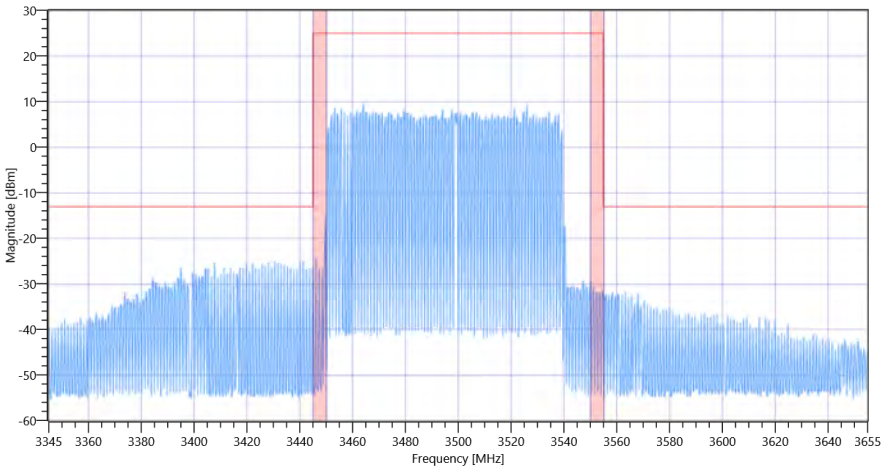
## Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -1.98 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: low, UL[MHz]/CH 3495/0, CBW [MHz]: 90, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3495*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 02:42:47 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.5 \| 47 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

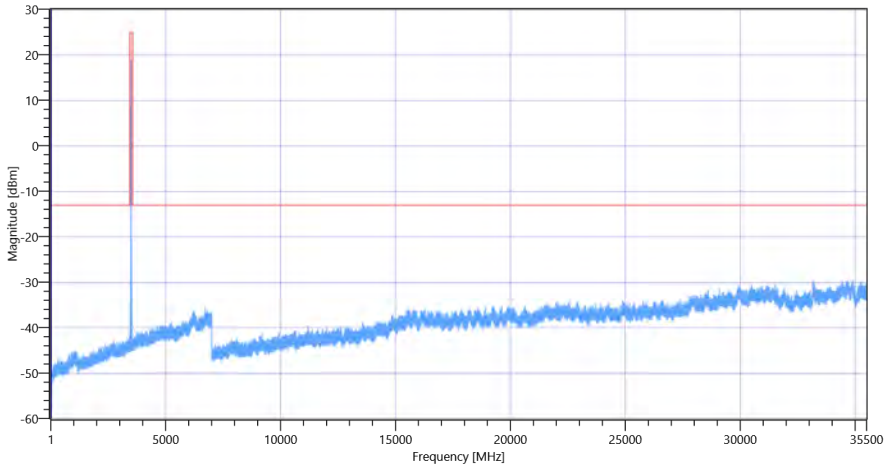
## Test at BW [MHz]: 10

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

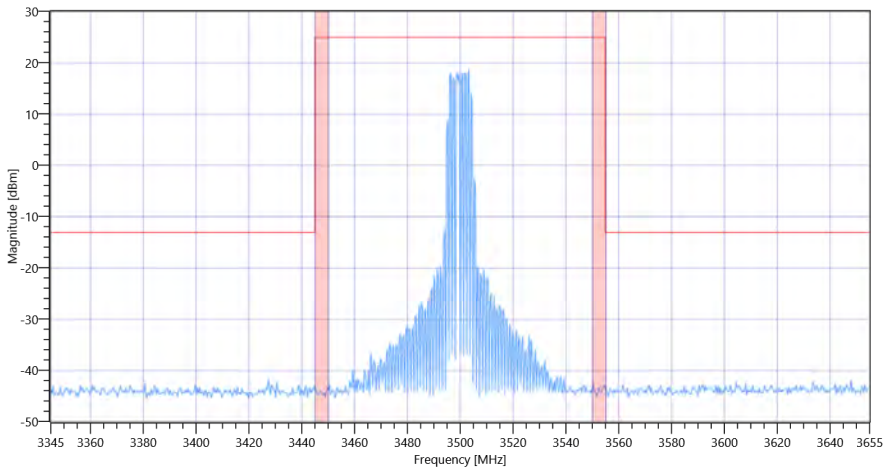
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 5.93 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: QPSK

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



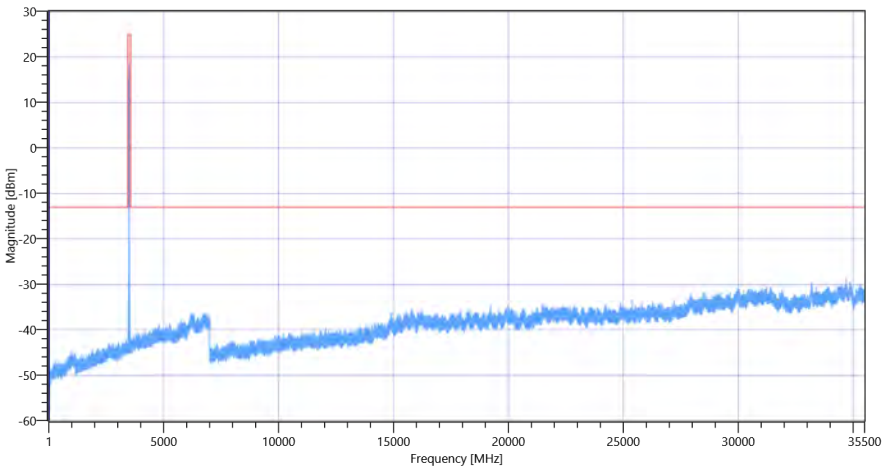

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM

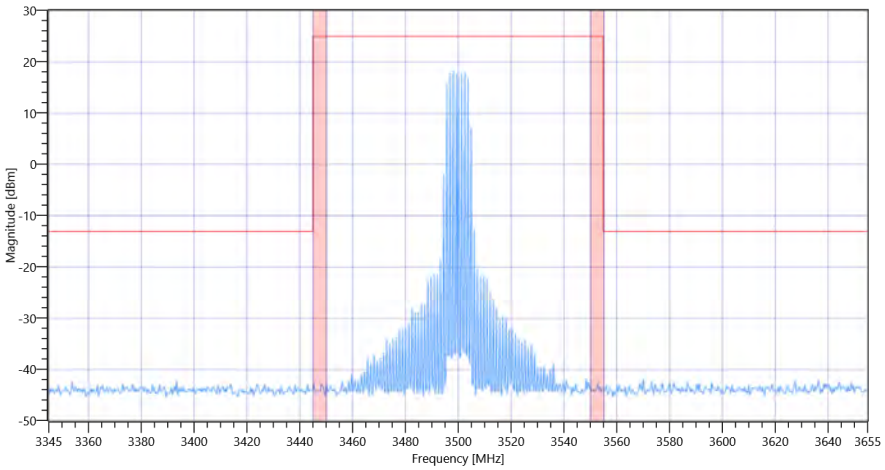
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.07 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



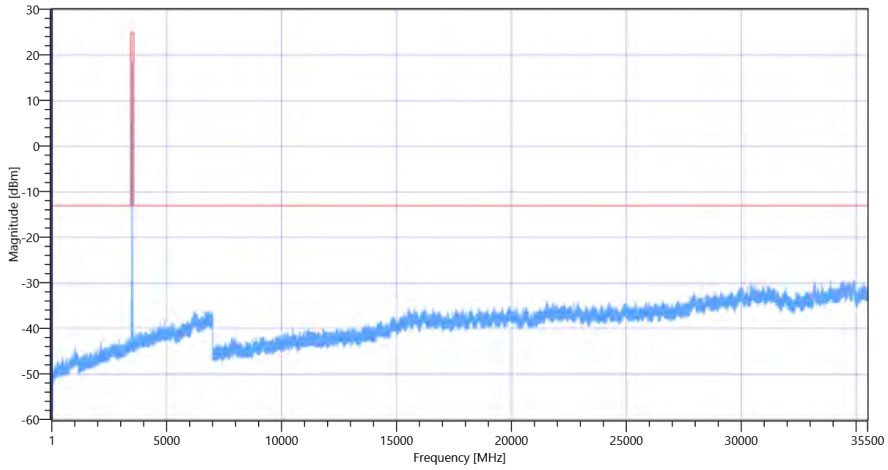

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM

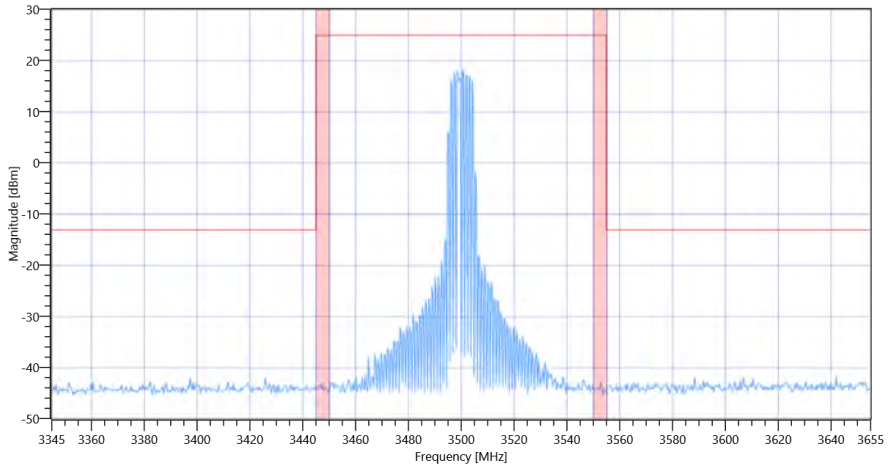
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 7.53 \| 0 \| 25 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

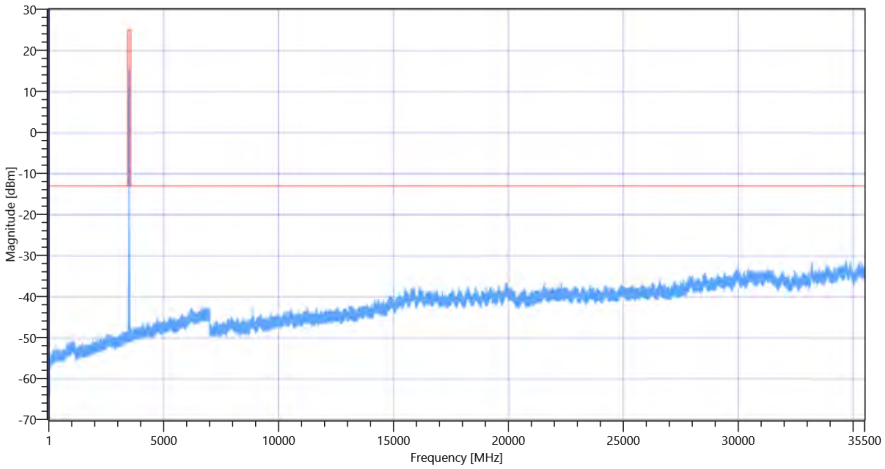



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

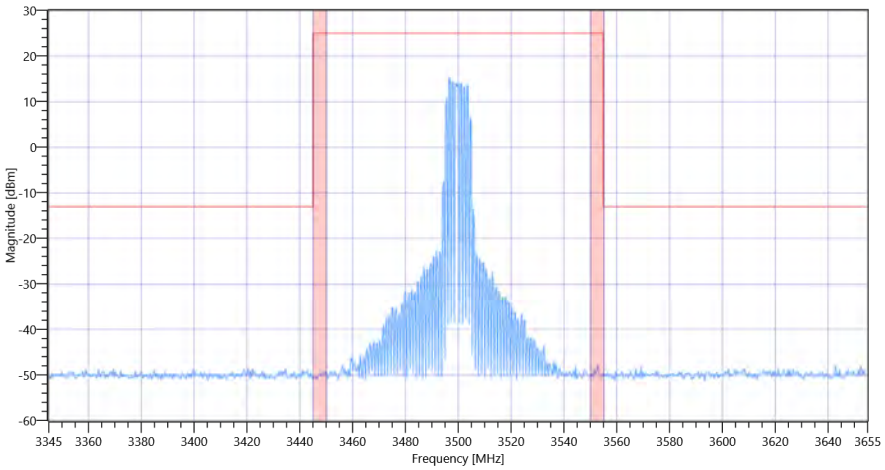
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.31 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 10, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 02:14:29 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 47 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

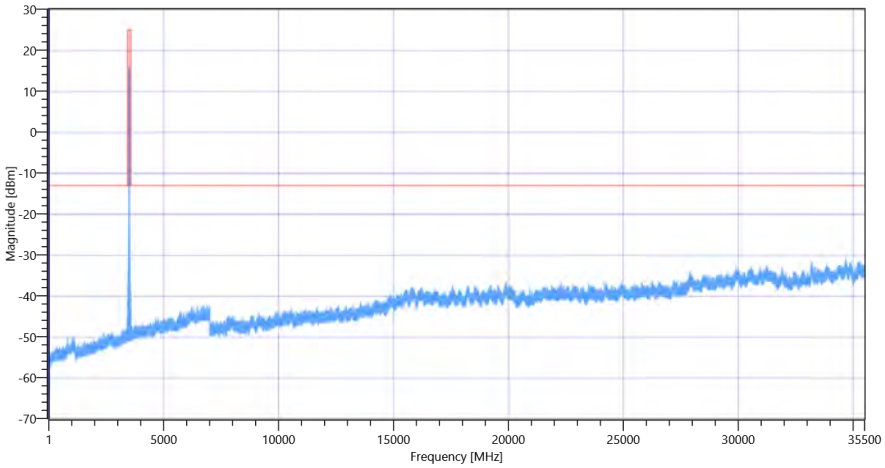
## Test at BW [MHz]: 20

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

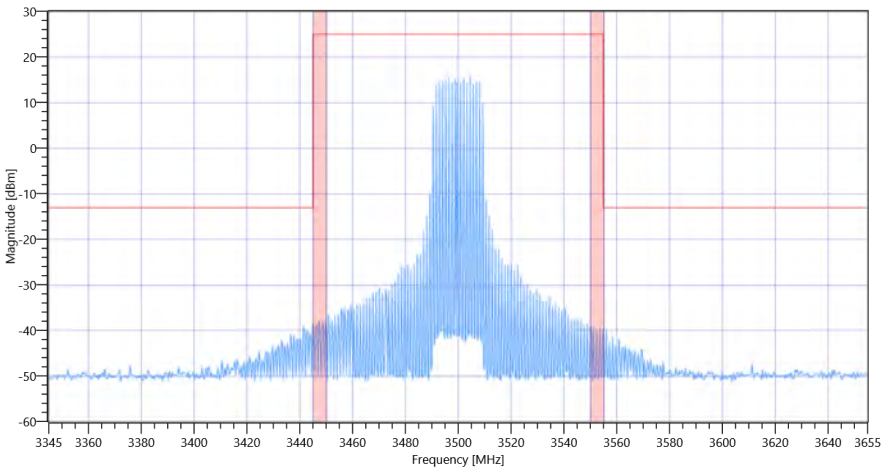
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 3.83 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: QPSK

| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
|---|---|---|---|---|---|
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



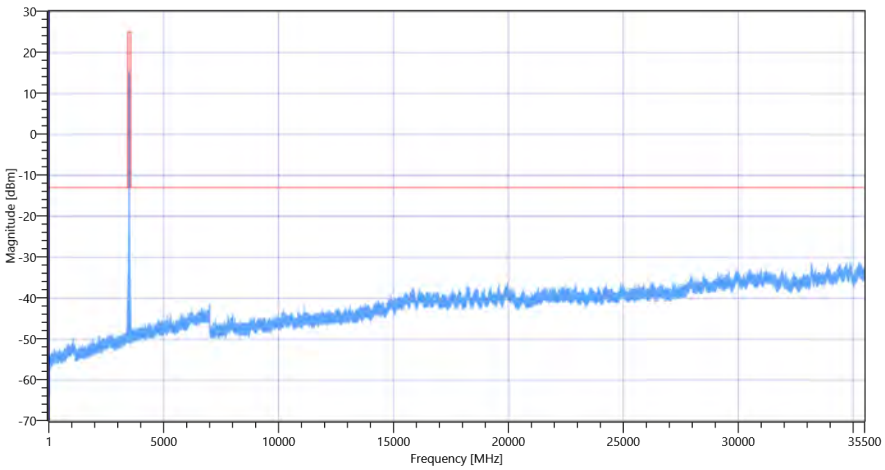

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM

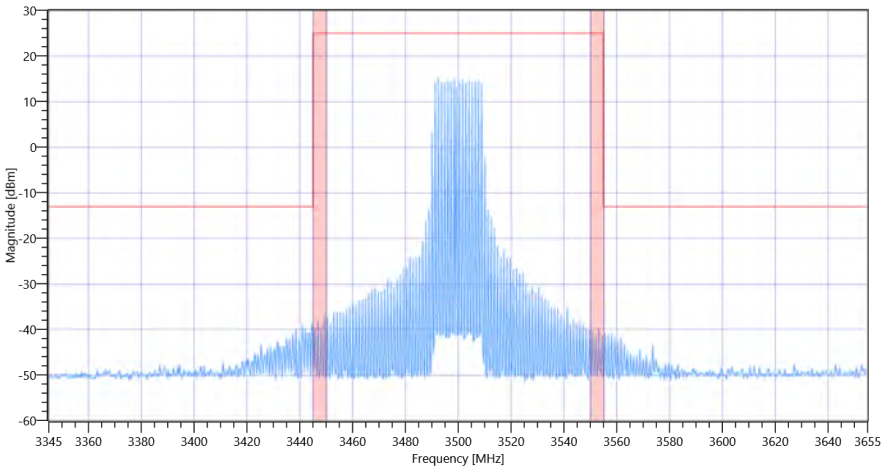
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.44 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



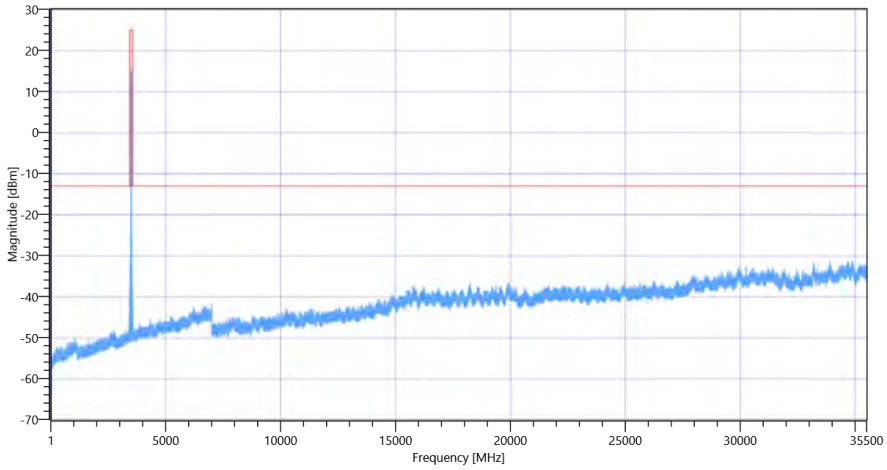

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM

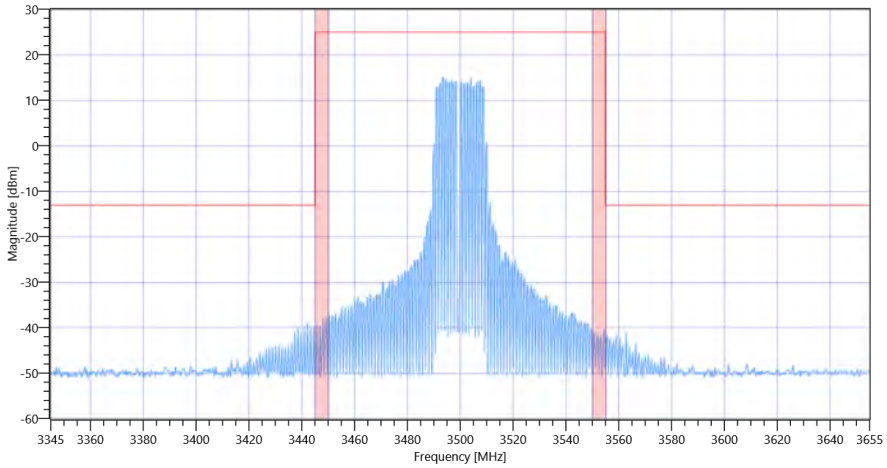
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 4.18 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

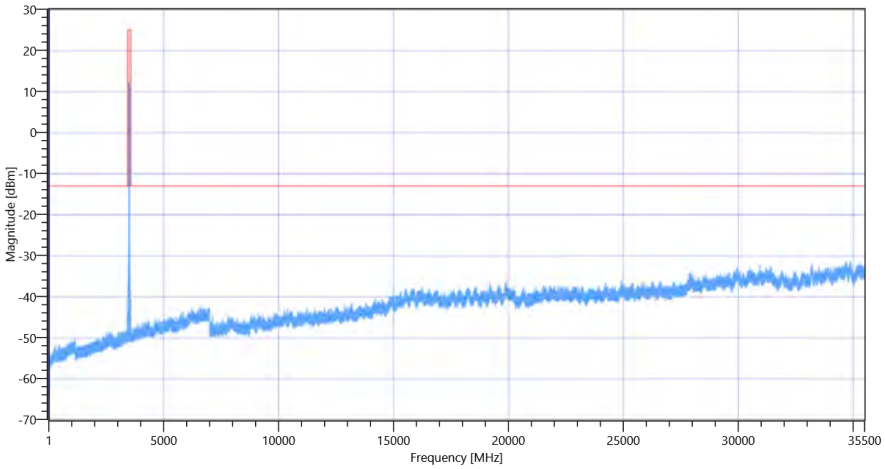



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

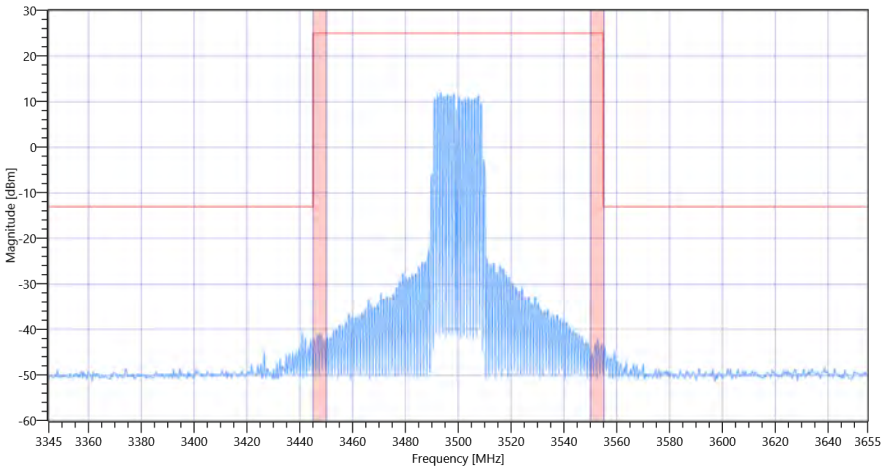
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 0.84 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 20, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 01:47:23 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.6 \| 46 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

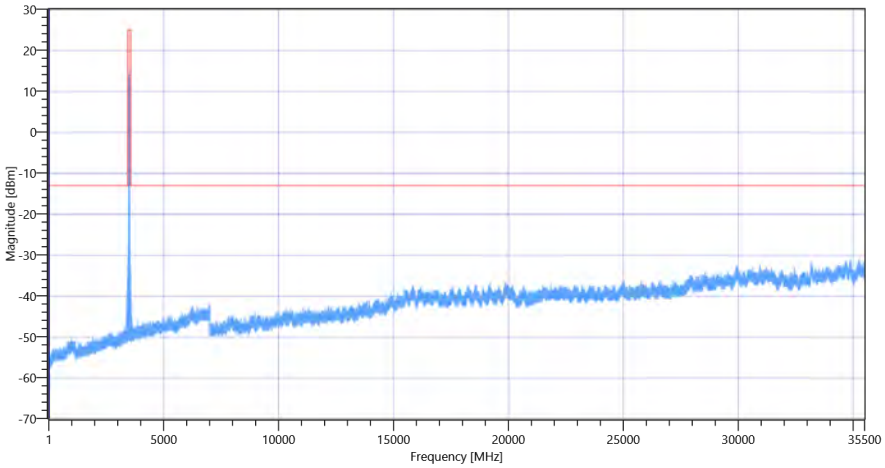
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 30

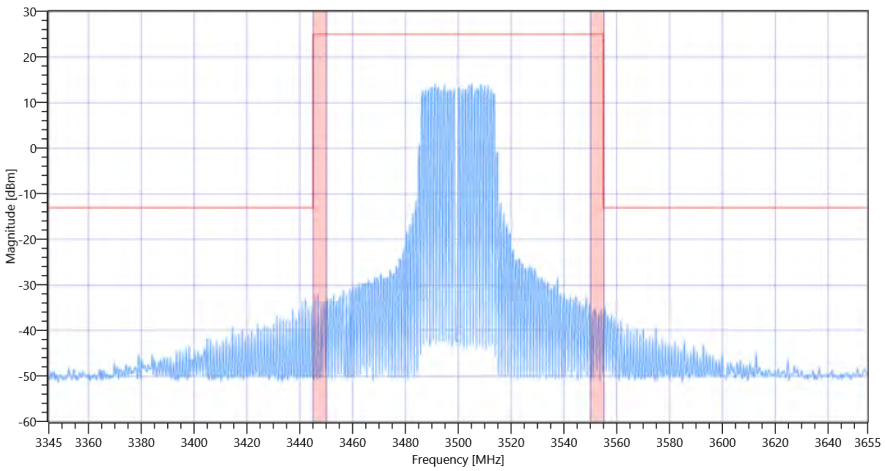
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 3.02 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



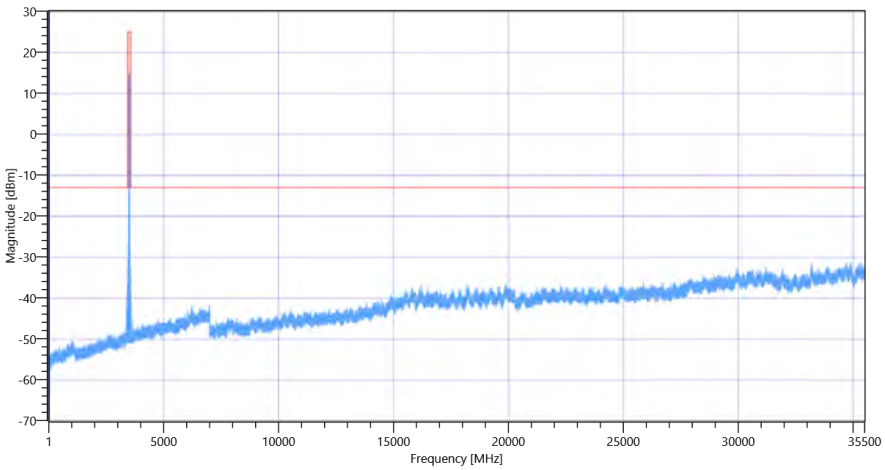

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM

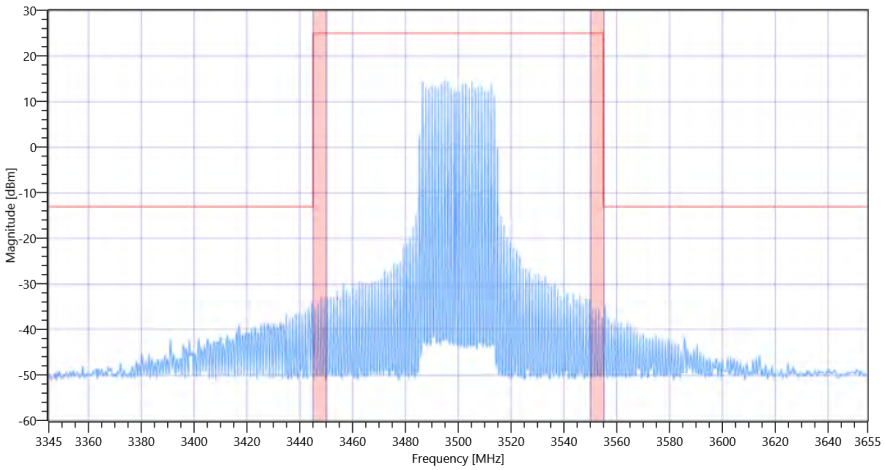
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 3.33 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



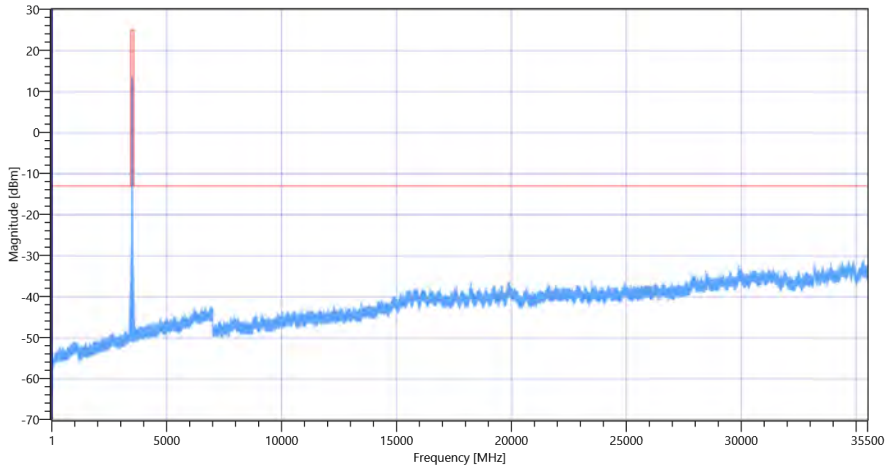

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM

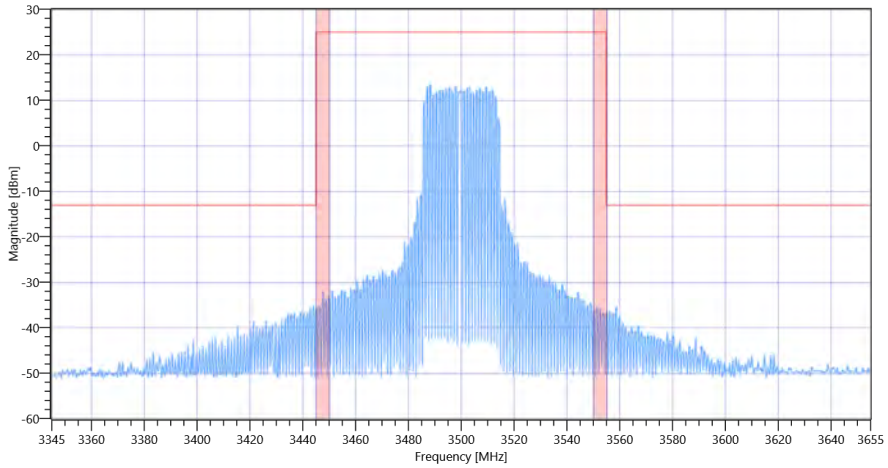
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 3.07 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

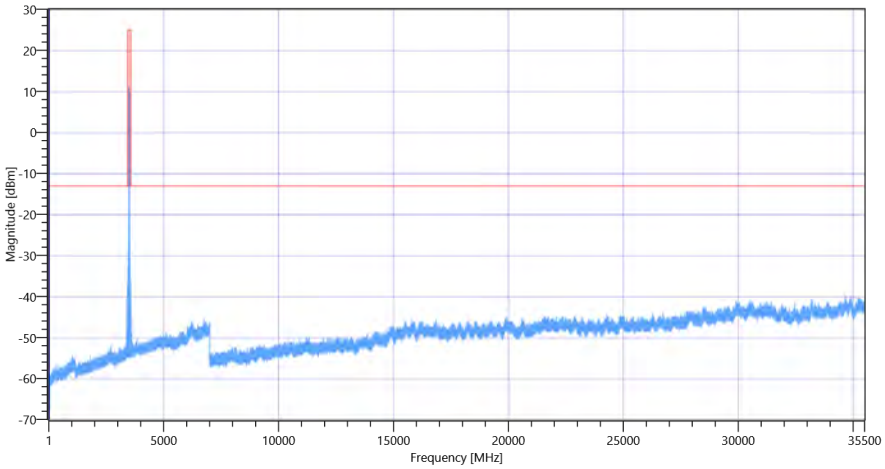



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

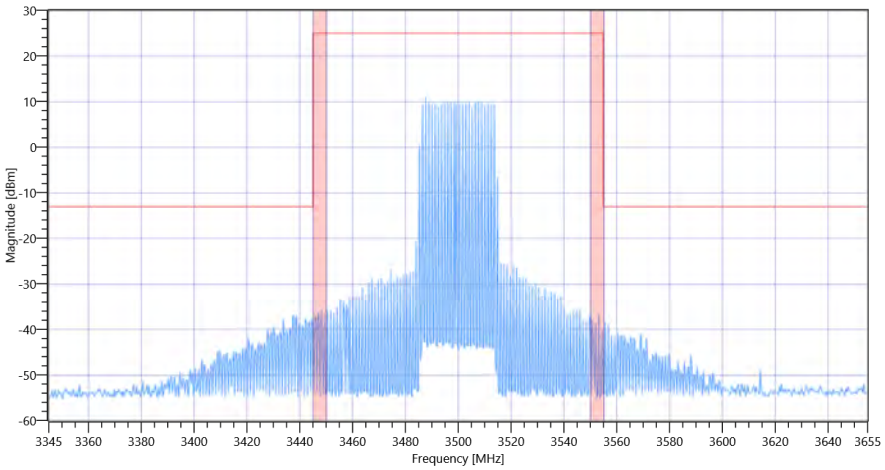
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.34 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 30, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 01:20:13 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.7 \| 46 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

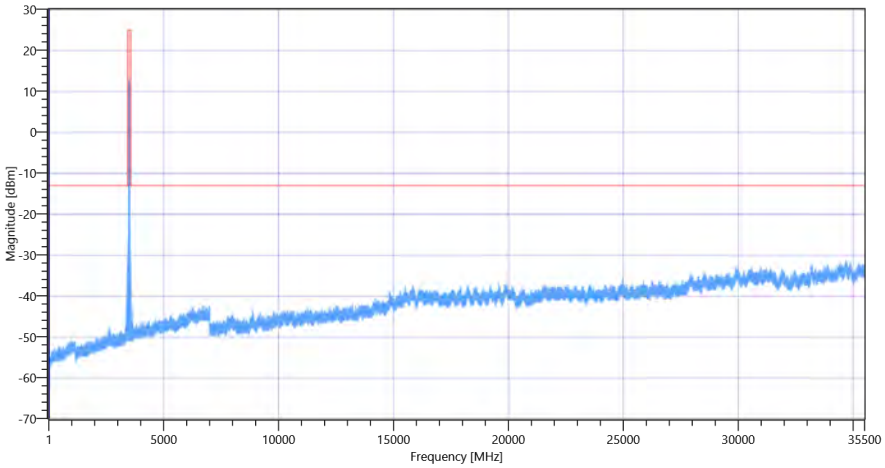
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 40

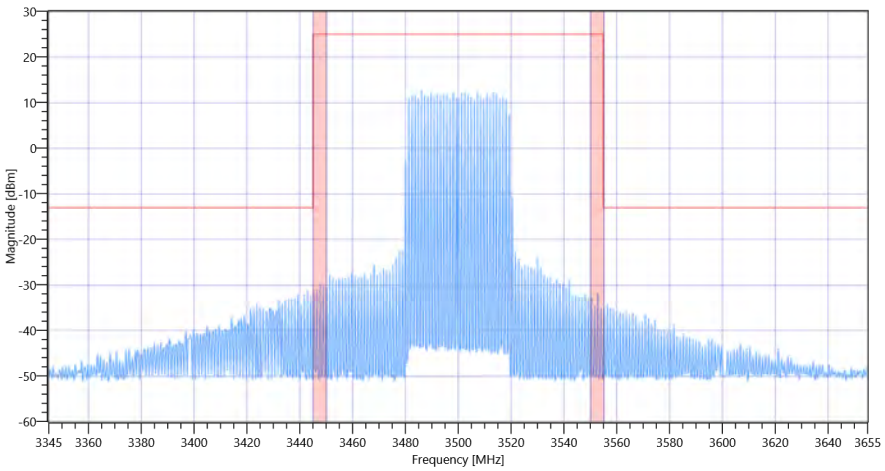
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 1.15 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



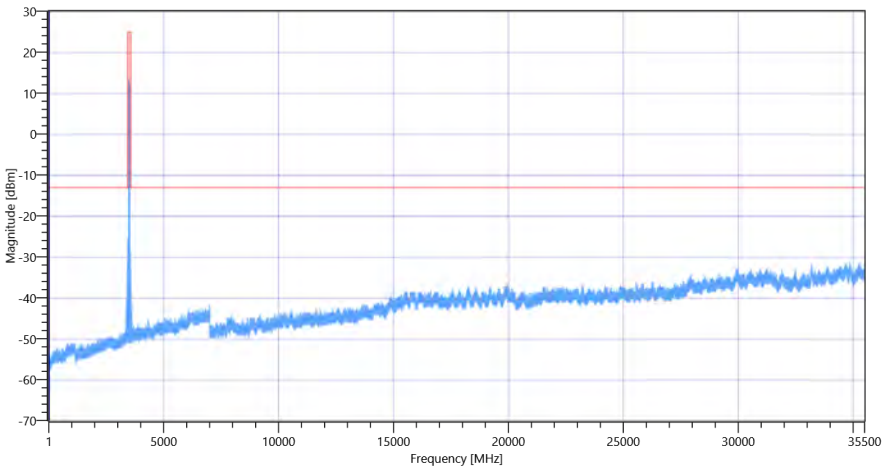

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM

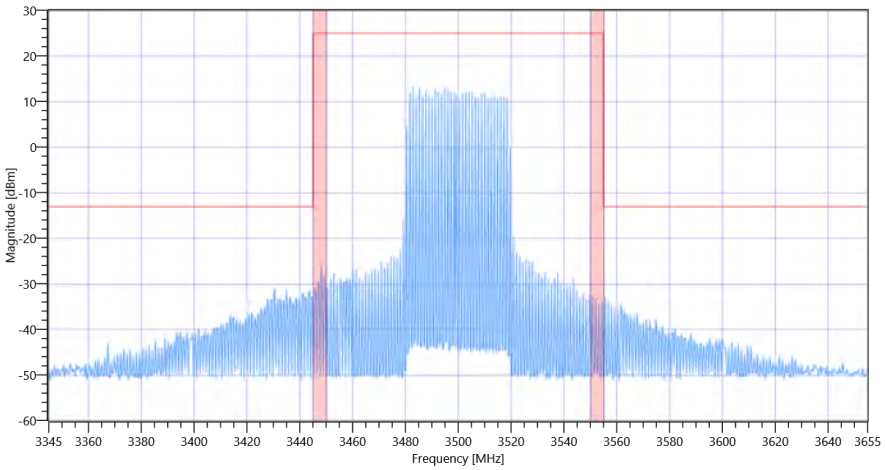
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 2.40 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



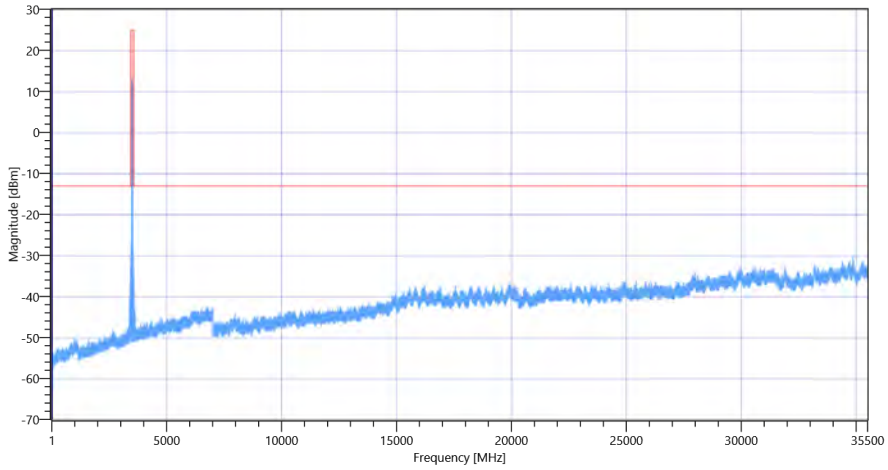

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM

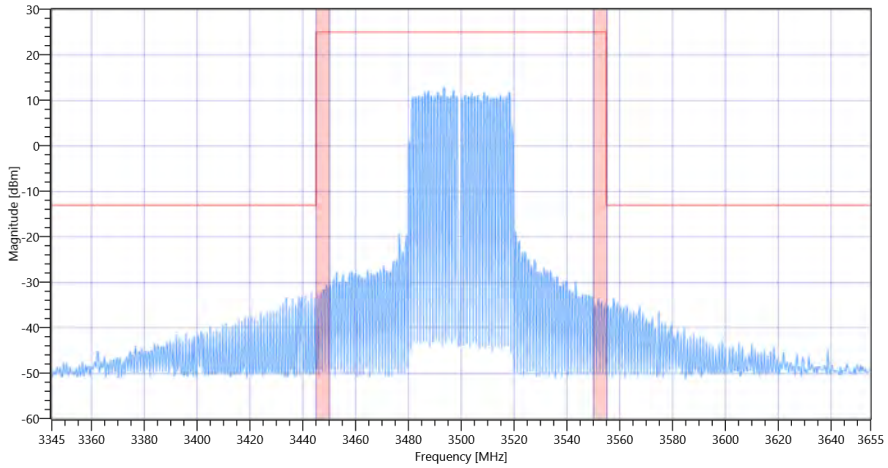
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 1.35 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

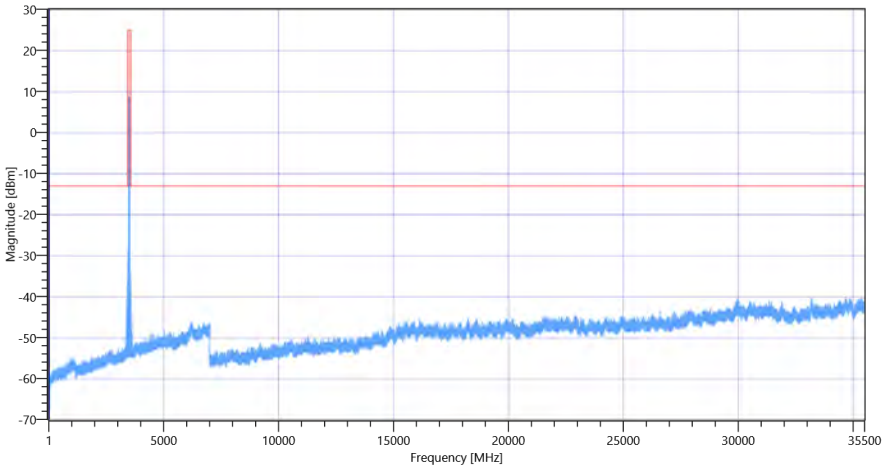



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

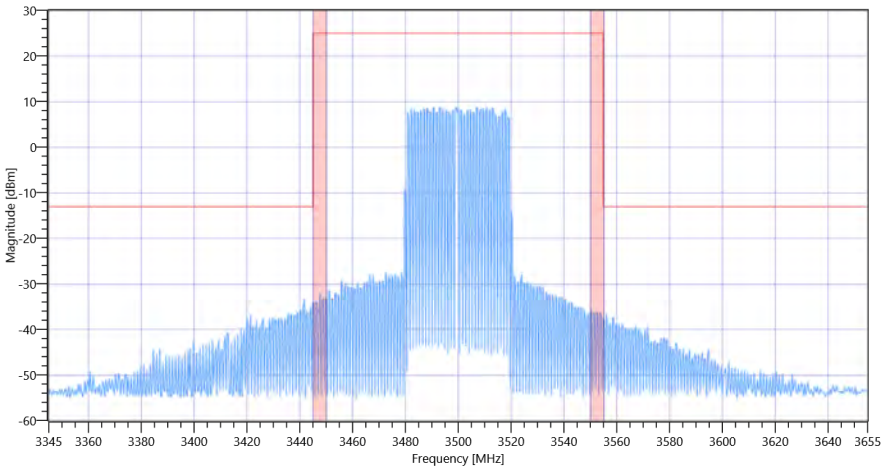
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -1.39 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 40, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 00:53:06 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.8 \| 46 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

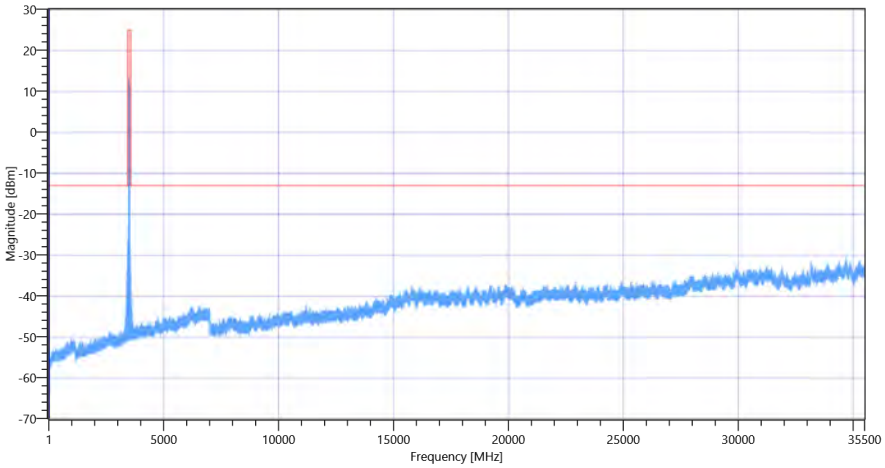
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 50

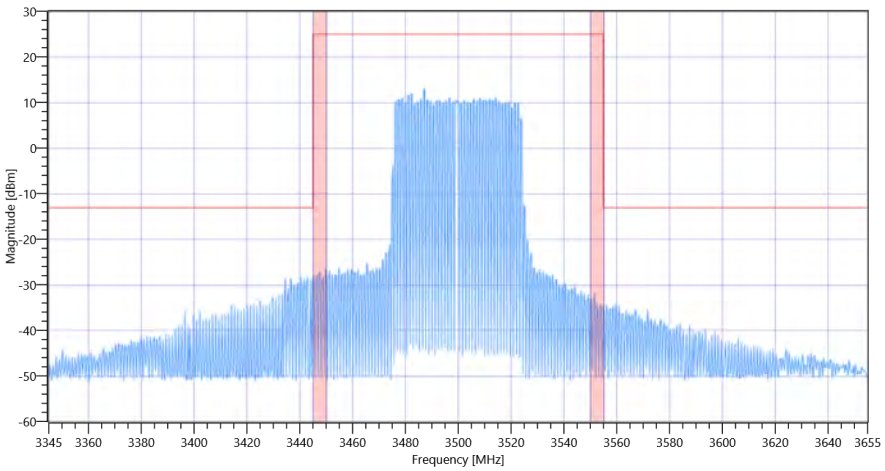
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 2.00 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



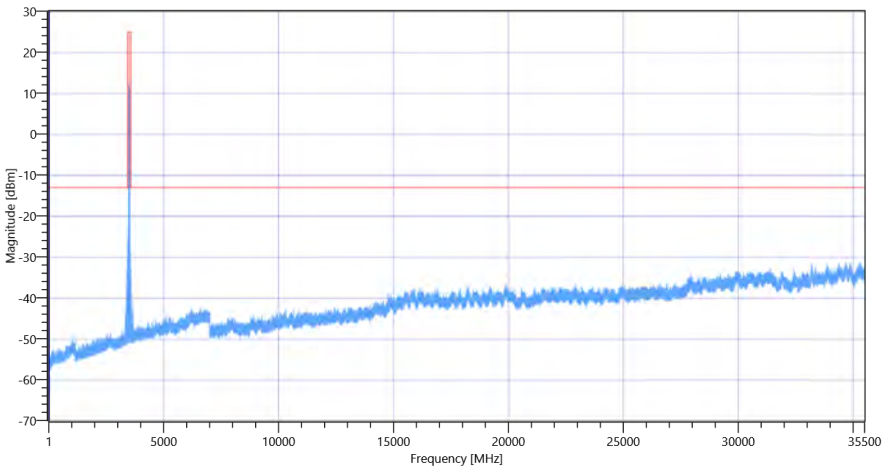

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM

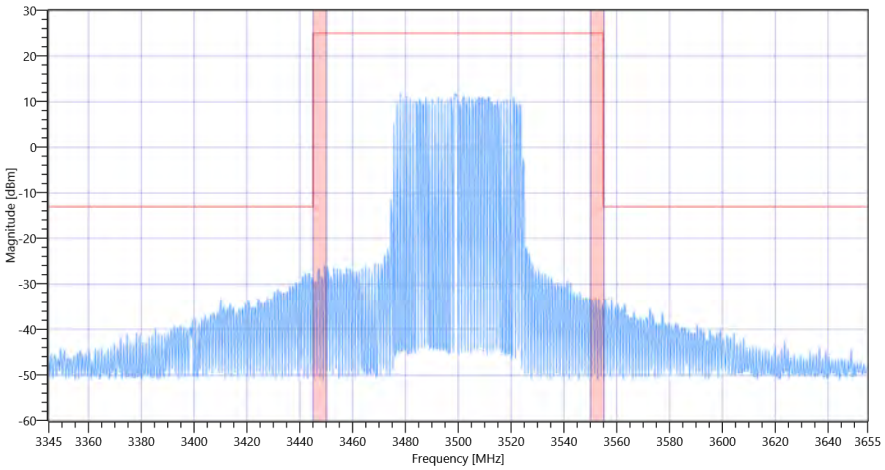
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 0.35 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



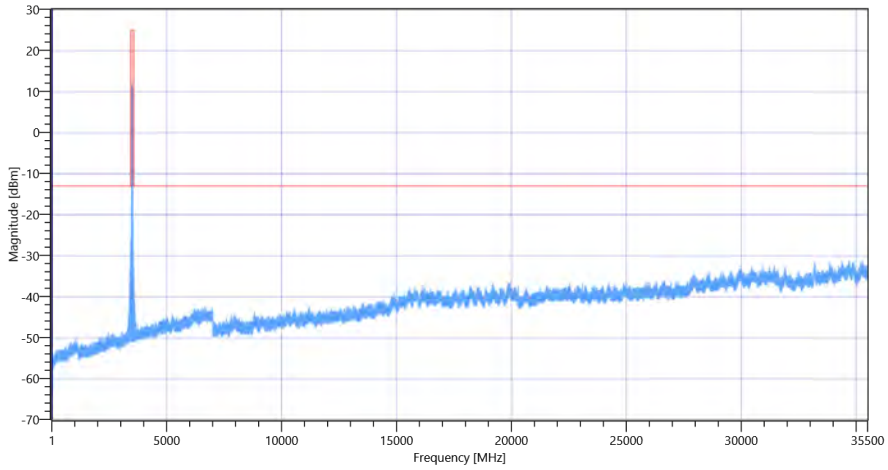

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM

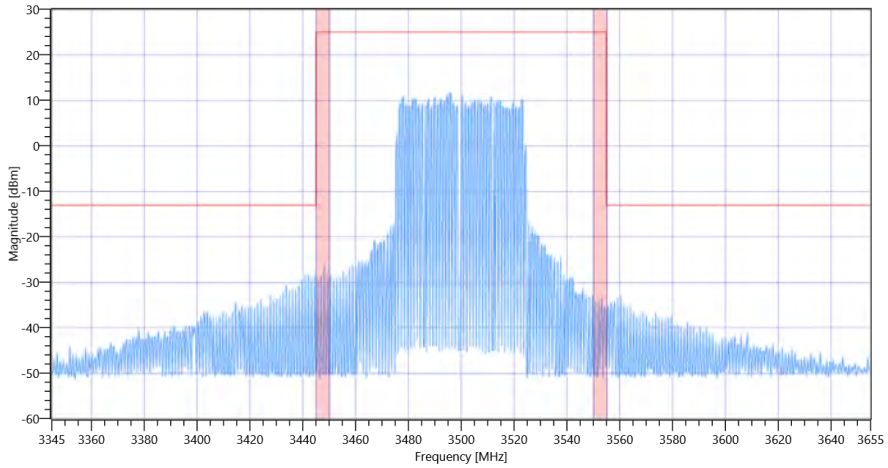
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | 0.21 \| 0 \| 20 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

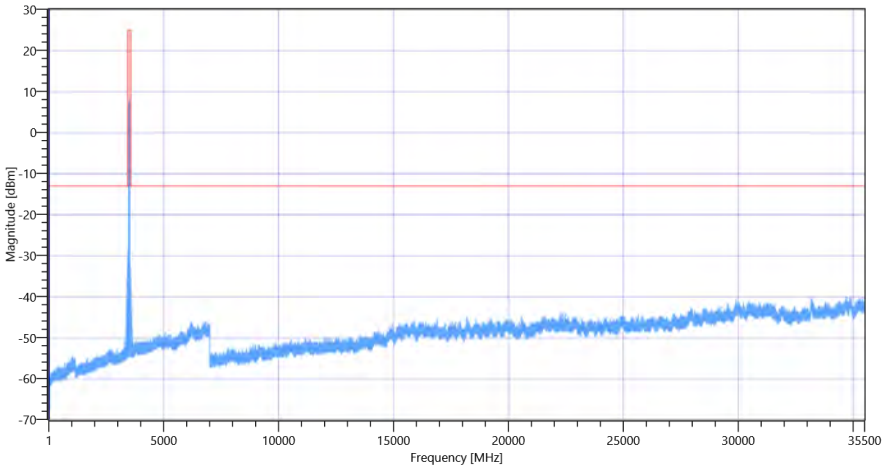



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

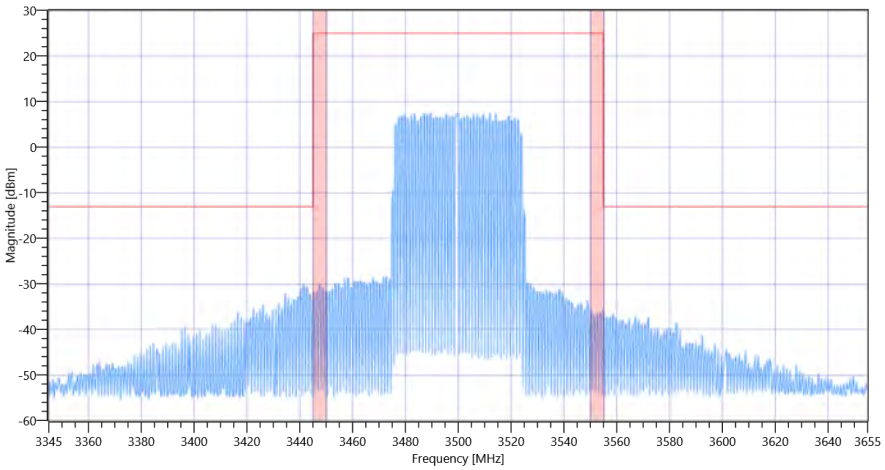
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -3.02 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 50, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 01.07.2022 00:25:32 |
| Ambit Temp [°C] \| Humidity [rel%] | 24.9 \| 46 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

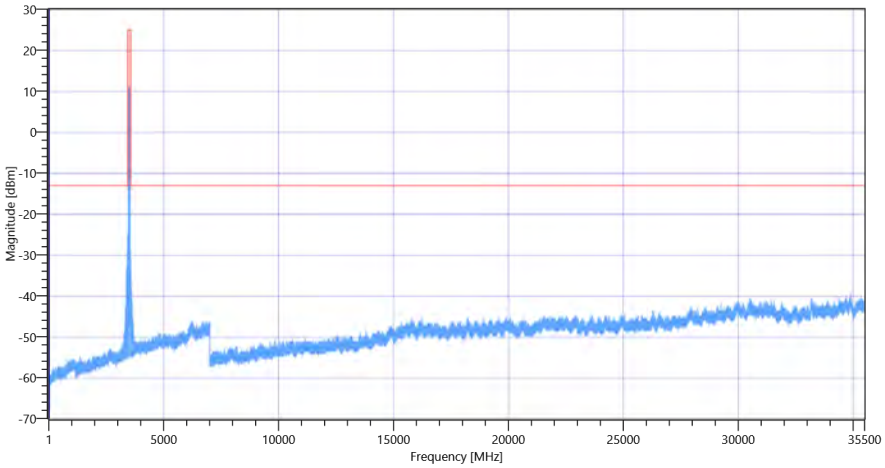
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 60

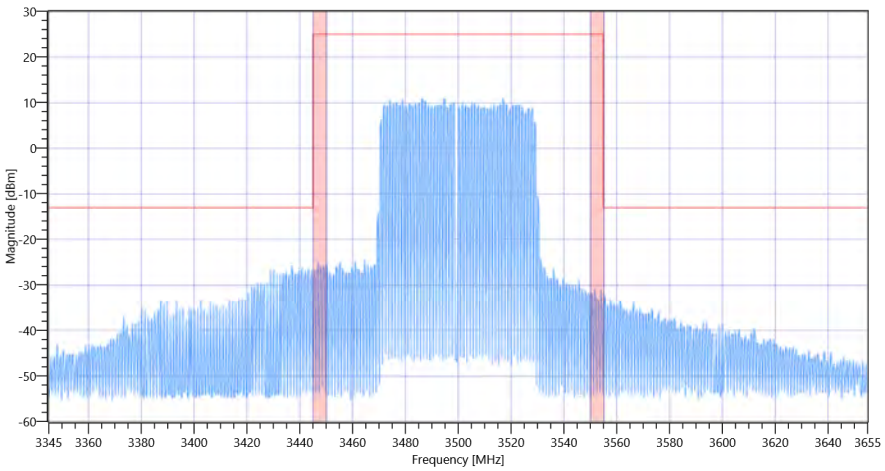
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.09 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



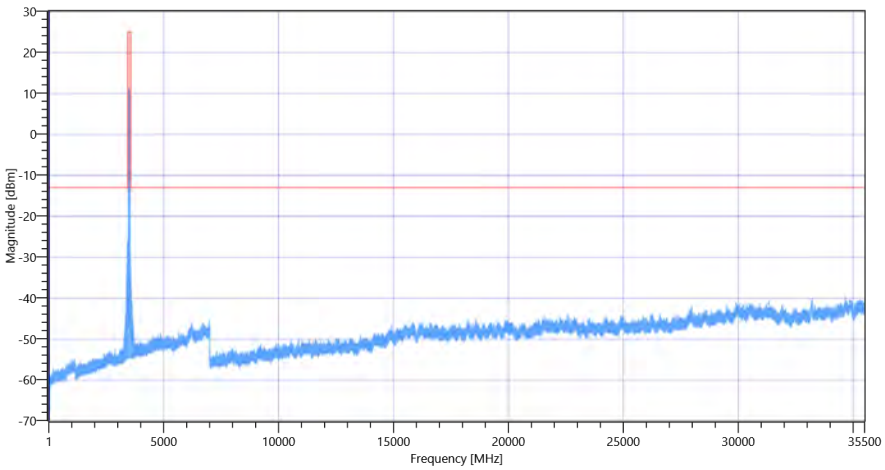

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM

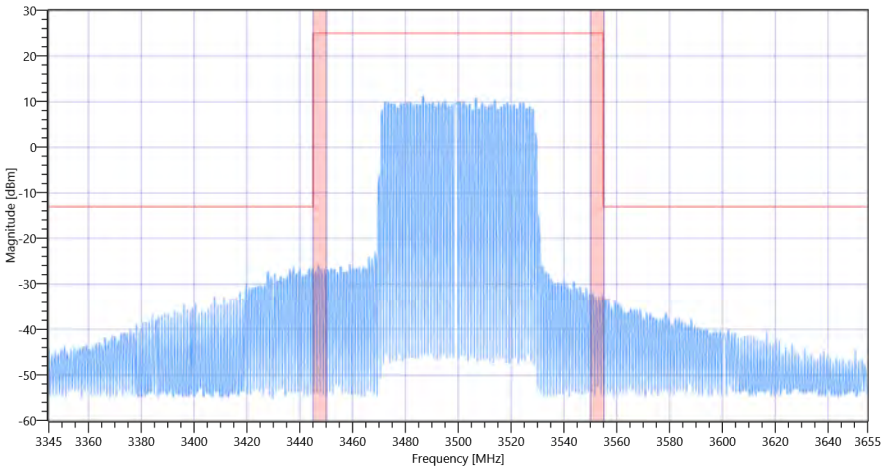
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.55 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



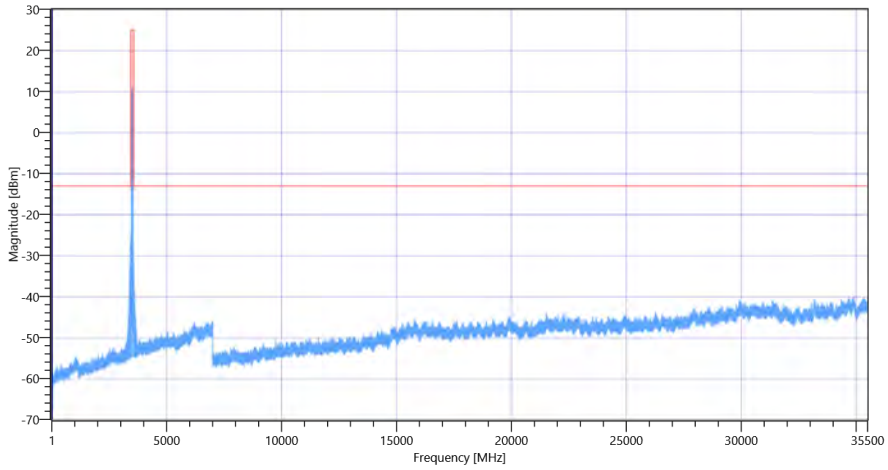

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM

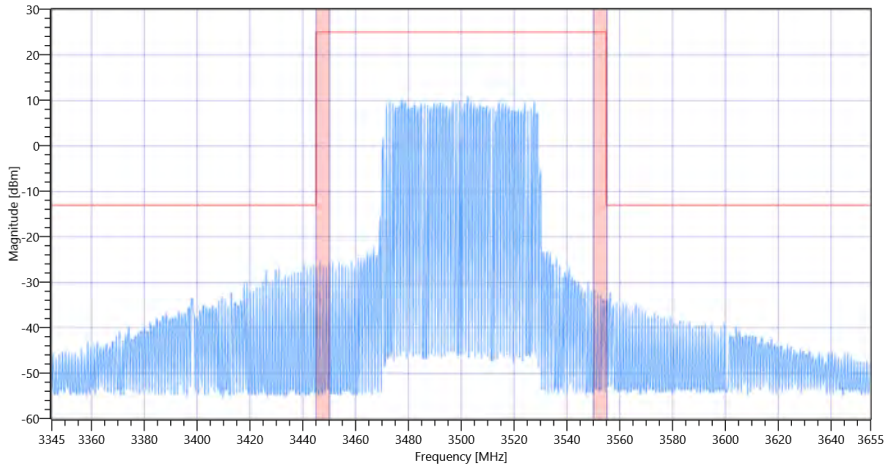
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.90 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*

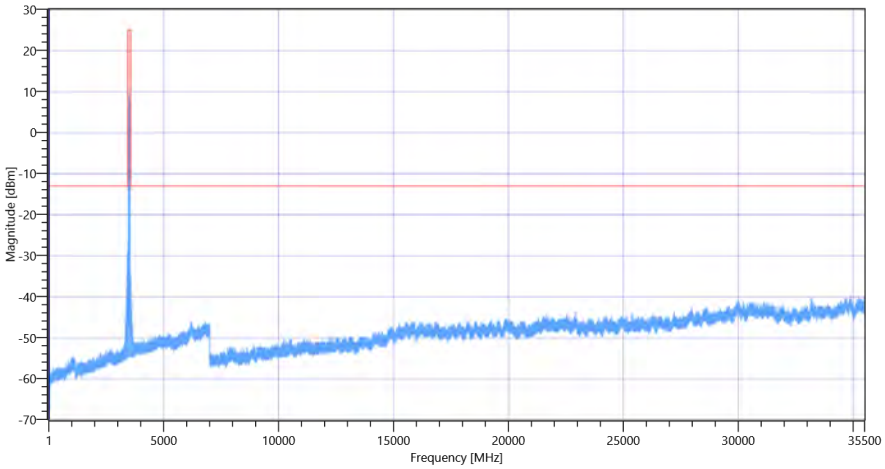



*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

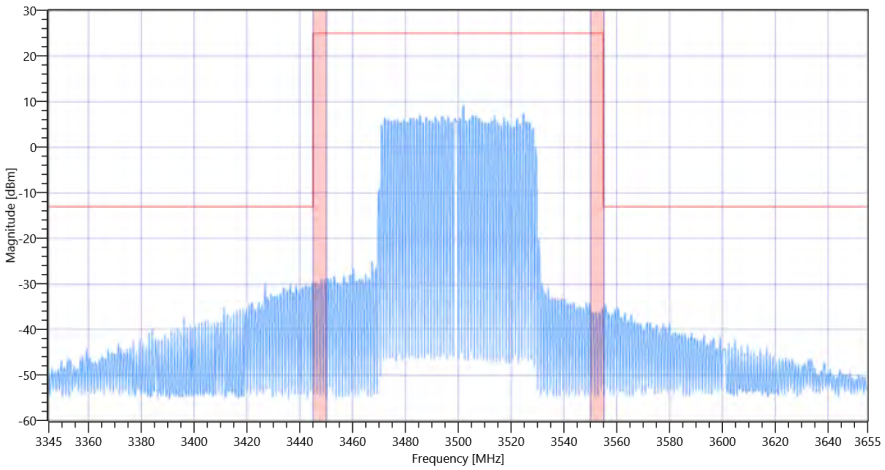
## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -1.98 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 60, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

| General verdict | PASS |
|---|---|

# FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30

| Test References | |
|---|---|
| TC Start | 30.06.2022 23:58:00 |
| Ambit Temp [°C] \| Humidity [rel%] | 25.0 \| 46 |
| System Version | 3.2.0.2 |
| Test Specification | FCC, ISED - |
| Test Method | |
| TC Version | 0.0.1 |
| My Description | FCC/ISED MobileRadio TX Emissions conducted - NR Band_77_A |
| Add. Information | |

| Test Parameter | |
|---|---|
| Technology to test | NR |
| Band | Band_77_A |
| SCS [kHz] | 30 |
| Waveform | CPOFDM |
| Antenna Port used | 1 |
| Temperature | nom |
| Voltage | nom |
| Frequency low to test | False |
| Frequency mid to test | True |
| Frequency high to test | False |
| Auto Control enabled Power Supply \| Climatic Box | No \| No |
| Additional Path Loss [dB] | 0 |
| Switched Path | None |

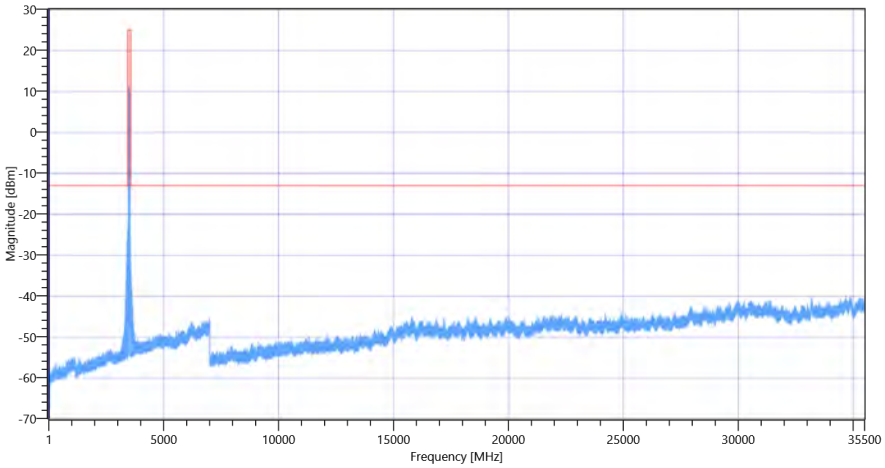
| Test Equipment |
|---|
| Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70 |

## Test at BW [MHz]: 70

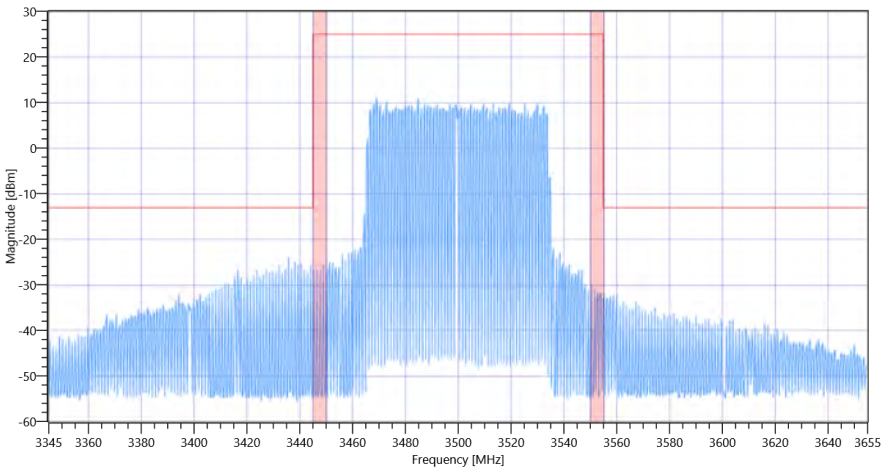
Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -1.53 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: QPSK | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



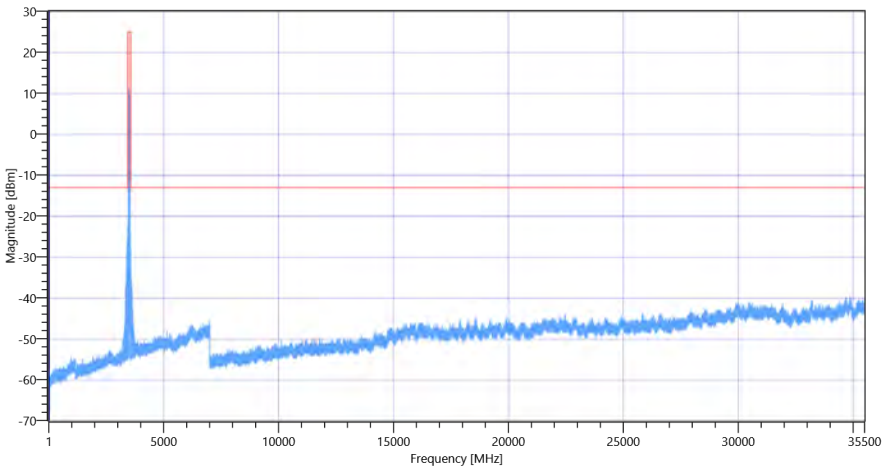

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM

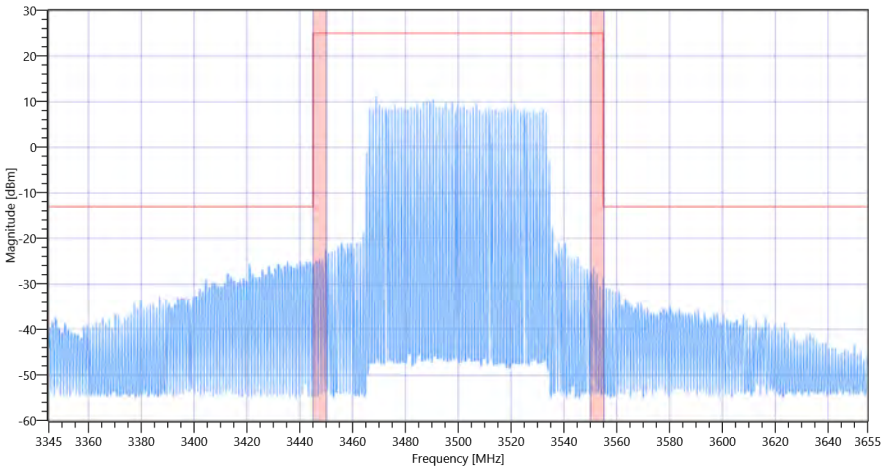
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -0.57 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |

| READ SA SETTINGS: | |
|---|---|
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 16QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*



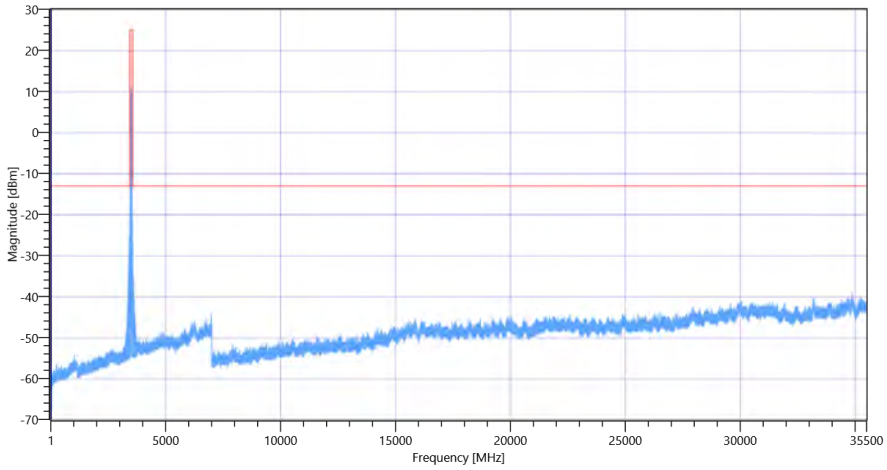

*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM

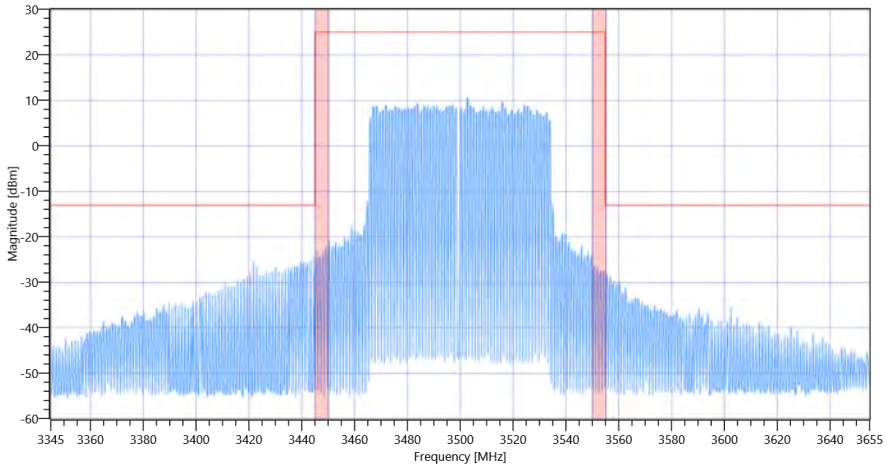
| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -1.16 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 64QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500 MHz*




*FCC, ISED # TX Emissions conducted ~ NR Band_77_A Ant-1 SCS-30 3500*

## Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM

| READ SA SETTINGS: | |
|---|---|
| RefLevel [dBm] \| RefLevelOffset [dB] \| InpAtt [dB] | -3.04 \| 0 \| 15 |
| Start [MHz] \| Stop [MHz] | 1.000 \| 401.000 |
| RBW [MHz] \| VBW [MHz] | 1.000000 \| 3.000000 |
| Detector \| TraceMode | POS \| MAXH |
| Sweep: Time [ms] \| Count \| Points per Section \| Type | 1600 \| 1 \| 1001 \| SWE |

| RESULT Test freq: mid, UL[MHz]/CH 3500/0, CBW [MHz]: 70, RB_100PCT, Mod: 256QAM | | | | | |
|---|---|---|---|---|---|
| Test Description | Lower Limit | Upper Limit | Measured | Unit | Verdict |
| Peaks higher limit | --- | 0 | 0 | no | PASS |